SAMSUNG

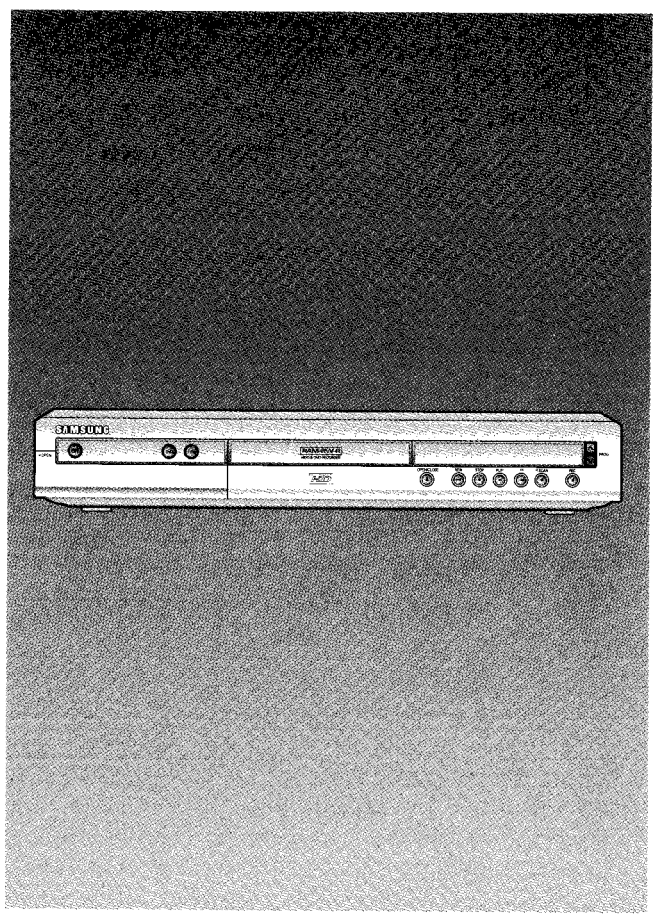
DVD- RECORDER

Chassis : K2 (2nd Generation)

DVD-HR721 / XEC, XEU, XET, XEG, COM
XEN, XEE, XEO, EUR, XEH
XEF, XEB, SED

SERVICE Manual

DVD-RECORDER



Merit & Character regarding Product

1. Multi format recording
   DVD-RAM/ DVD-RW/ DVD-R
2. Multi format playback
   DVD / DVD-RAM / DVD-RW / DVD-R
   CD / CD-R / CD-RW / MP3 / JPEG / DIVX
3. Recording mode
   XP(1Hour) / SP(2Hour) / LP(4Hour) /
   EP(6~8Hour)
4. Progressive scan
5. Automatic Chapter product on
6. 79mm Slim Design

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- If you want to know additional information which is not included on this Service Manual, Please refer to the SKP(Samsung Knowledge Portal) web site.
  URL ; http://europe.samsungportal.com

1. Precautions

1-1 Safety Precautions

1) Before returning an instrument to the customer, always make a safety check of the entire instrument, including, but not limited to, the following items:

(1) Be sure that no built-in protective devices are defective or have been defeated during servicing. (1)Protective shields are provided to protect both the technician and the customer. Correctly replace all missing protective shields, including any removed for servicing convenience.
(2)When reinstalling the chassis and/or other assembly in the cabinet, be sure to put back in place all protective devices, including, but not limited to, nonmetallic control knobs, insulating fish papers, adjustment and compartment covers/shields, and isolation resistor/capacitor networks. Do not operate this instrument or permit it to be operated without all protective devices correctly installed and functioning.

(2) Be sure that there are no cabinet openings through which adults or children might be able to insert their fingers and contact a hazardous voltage. Such openings include, but are not limited to, excessively wide cabinet ventilation slots, and an improperly fitted and/or incorrectly secured cabinet back cover.

(3) Leakage Current Hot Check-With the instrument completely reassembled, plug the AC line cord directly into a 230V(220V ~ 240V) AC outlet. (Do not use an isolation transformer during this test.) Use a leakage current tester or a metering system that complies with American National Standards institute (ANSI) C101.1 Leakage Current for Appliances and Underwriters Laboratories (UL) 1270 (40.7). With the instrument's AC switch first in the ON position and then in the OFF position, measure from a known earth ground (metal water pipe, conduit, etc.) to all exposed metal parts of the instrument (antennas, handle brackets, metal cabinets, screwheads, metallic overlays, control shafts, etc.), especially any exposed metal parts that offer an electrical return path to the chassis.
Any current measured must not exceed 0.5mA. Reverse the instrument power cord plug in the outlet and repeat the test. See Fig. 1-1.
Any measurements not within the limits specified herein indicate a potential shock hazard that must be eliminated before returning the instrument to the customer.

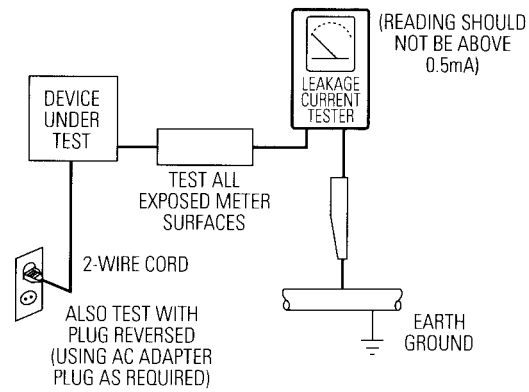
(READING SHOULD NOT BE ABOVE 0.5mA)
LEAKAGE CURRENT TESTER
DEVICE UNDER TEST
TEST ALL EXPOSED METER SURFACES
2-WIRE CORD
ALSO TEST WITH PLUG REVERSED (USING AC ADAPTER PLUG AS REQUIRED)
EARTH GROUND

Fig. 1-1 AC Leakage Test

(4) Insulation Resistance Test Cold Check-(1) Unplug the power supply cord and connect a jumper wire between the two prongs of the plug. (2) Turn on the power switch of the instrument. (3) Measure the resistance with an ohmmeter between the jumpered AC plug and all exposed metallic cabinet parts on the instrument, such as screwheads, antenna, control shafts, handle brackets, etc. When an exposed metallic part has a return path to the chassis, the reading should be between 1 and 5.2 megohm. When there is no return path to the chassis, the reading must be infinite. If the reading is not within the limits specified, there is the possibility of a shock hazard, and the instrument must be repaired and rechecked before it is returned to the customer. See Fig. 1-2.

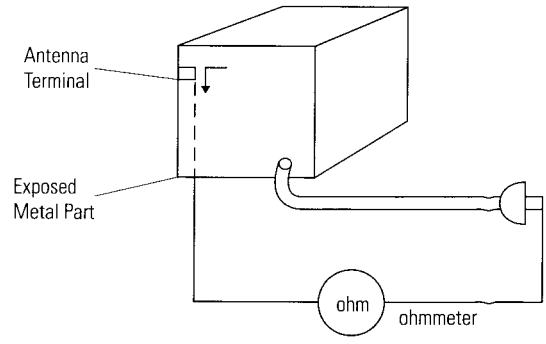

Fig. 1-2 Insulation Resistance Test

2) Read and comply with all caution and safety related notes on or inside the cabinet, or on the chassis.

3) Design Alteration Warning-Do not alter or add to the mechanical or electrical design of this instrument. Design alterations and additions, including but not limited to, circuit modifications and the addition of items such as auxiliary audio output connections, might alter the safety characteristics of this instrument and create a hazard to the user. Any design alterations or additions will make you, the servicer, responsible for personal injury or property damage resulting therefrom.

4) Observe original lead dress. Take extra care to assure correct lead dress in the following areas: (1) near sharp edges, (2) near thermally hot parts (be sure that leads and components do not touch thermally hot parts), (3) the AC supply, (4) high voltage, and (5) antenna wiring. Always inspect in all areas for pinched, out-of-place, or frayed wiring, Do not change spacing between a component and the printed-circuit board. Check the AC power cord for damage.

5) Components, parts, and/or wiring that appear to have overheated or that are otherwise damaged should be replaced with components, parts and/ or wiring that meet original specifications. Additionally, determine the cause of overheating and/or damage and, if necessary, take corrective action to remove any potential safety hazard.

6) Product Safety Notice-Some electrical and mechanical parts have special safety-related characteristics which are often not evident from visual inspection, nor can the protection they give necessarily be obtained by replacing them with components rated for higher voltage, wattage, etc. Parts that have special safety characteristics are identified by shading, an (⚠)or a (⚠)on schematics and parts lists. Use of a substitute replacement that does not have the same safety characteristics as the recommended replacement part might create shock, fire and/or other hazards. Product safety is under review continuously and new instructions are issued whenever appropriate.

1-2 Servicing Precautions

CAUTION : Before servicing units covered by this service manual and its supplements, read and follow the Safety Precautions section of this manual.

Note : If unforseen circumstances create conflict between the following servicing precautions and any of the safety precautions, always follow the safety precautions. Remember: Safety First.

1-2-1 General Servicing Precautions

(1) a. Always unplug the instrument's AC power cord from the AC power source before (1) re-moving or reinstalling any component, circuit board, module or any other instrument assembly, (2) disconnecting any instrument electrical plug or other electrical connection, (3) connecting a test substitute in parallel with an electrolytic capacitor in the instrument.

b. Do not defeat any plug/socket B+ voltage interlocks with which instruments covered by this service manual might be equipped.

c. Do not apply AC power to this instrument and /or any of its electrical assemblies unless all solid-state device heat sinks are correctly installed.

d. Always connect a test instrument's ground lead to the instrument chassis ground before connecting the test instrument positive lead. Always remove the test instrument ground lead last.

Note : Refer to the Safety Precautions section ground lead last.

(2) The service precautions are indicated or printed on the cabinet, chassis or components. When servicing, follow the printed or indicated service precautions and service materials.

(3) The components used in the unit have a specified flame resistance and dielectric strength.
When replacing components, use components which have the same ratings. Components identified by shading, by(⚠) or by (⚠) in the circuit diagram are important for safety or for the characteristics of the unit. Always replace them with the exact replacement components.

(4) An insulation tube or tape is sometimes used and some components are raised above the printed wiring board for safety. The internal wiring is sometimes clamped to prevent contact with heating components. Install such elements as they were.

(5) After servicing, always check that the removed screws, components, and wiring have been installed correctly and that the portion around the serviced part has not been damaged and so on. Further, check the insulation between the blades of the attachment plug and accessible conductive parts.

1-2-2 Insulation Checking Procedure

Disconnect the attachment plug from the AC outlet and turn the power ON. Connect the insulation resistance meter (500V) to the blades of the attachment plug. The insulation resistance between each blade of the attachment plug and accessible conductive parts(see note) should be more than 1 Megohm.

Note : Accessible conductive parts include metal panels, input terminals, earphone jacks, etc.

1-3 ESD Precautions

Electrostatically Sensitive Devices (ESD)

Some semiconductor (solid state) devices can be damaged easily by static electricity.
Such components commonly are called Electrostatically Sensitive Devices(ESD). Examples of typical ESD devices are integrated circuits and some field-effect transistors and semiconductor chip components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

(1) Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed for potential shock reasons prior to applying power to the unit under test.

(2) After removing an electrical assembly equipped with ESD devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.

(3) Use only a grounded-tip soldering iron to solder or unsolder ESD devices.

(4) Use only an anti-static solder removal devices. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ESD devices.

(5) Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ESD devices.

(6) Do not remove a replacement ESD device from its protective package until immediately before your are ready to install it.(Most replacement ESD devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive materials).

(7) Immediately before removing the protective materials from the leads of a replacement ESD device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

CAUTION : Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

(8) Minimize bodily motions when handling unpackaged replacement ESD devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ESD device).

1-4 Handling the optical pick-up

The laser diode in the optical pick up may suffer electrostatic breakdown because of potential static electricity from clothing and your body.

The following method is recommended.

(1) Place a conductive sheet on the work bench (The black sheet used for wrapping repair parts.)

(2) Place the set on the conductive sheet so that the chassis is grounded to the sheet.

(3) Place your hands on the conductive sheet(This gives them the same ground as the sheet.)

(4) Remove the optical pick up block

(5) Perform work on top of the conductive sheet. Be careful not to let your clothes or any other static sources to touch the unit.

- Be sure to put on a wrist strap grounded to the sheet.
- Be sure to lay a conductive sheet made of copper etc. Which is grounded to the table.

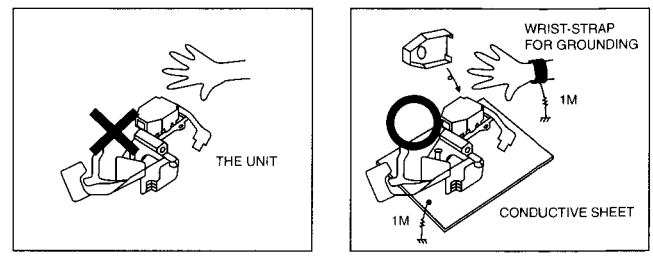

Fig.1-3

(6) Short the short terminal on the PCB, which is inside the Pick-Up ASS'Y, before replacing the Pick-Up. (The short terminal is shorted when the Pick-Up Ass'y is being lifted or moved.)

(7) After replacing the Pick-up, open the short terminal on the PCB.

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2. Product Specification

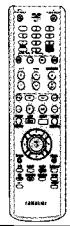
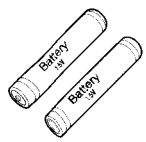
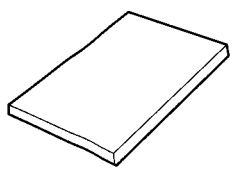
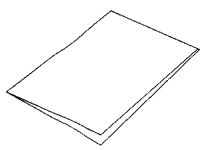
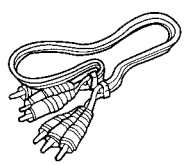
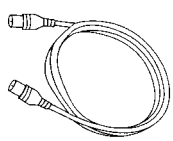
2-1 Product Specification

General	Power requirements		AC 220~240V ,50Hz
	Power consumption		45Watts (Recording & Playback Simultaneously)
	Weight		4.2 Kg
	Dimensions		430mm(W) x 255mm(D) x 79mm(H)
	Operating temp		+5°C to +35°C
	Other conditions		Keep level when operating. Less than 75% operating humidity
Input	Video		Composite Video : 1.0 V p-p at 75ohm load, sync negative
	Audio		Max. Audio input level : 2Vrms
	DV Input		IEEE 1394(4p) compatible jack
	Receivable Channels		PAL B/G, DK, I
	Scart Jack	AV1 (Scart TV)	Video : Composite, Audio : analogue
		AV2 (Scart Ext)	Video : Composite, RGB Audio : analogue
Output	Audio		Analogue output jacks X 2
			Optical/coaxial digital audio output
	Video		Composite Video : Video output jack X 1
			S-Video output X 1 (Y: 1.0Vp-p, C:0.286Vp-p at 75 ohm load)
			Component output X 1 (Y: 1.0Vp-p ,Pb:0.70Vp-p, Pr:0.70Vp-p at 75ohm load)
	Scart Jack	AV1 (Scart TV)	Video : Composite, RGB Audio : analogue
Recording	Picture compression format		MPEG-II
	Audio compression format		Dolby digital 2ch/256kbps, MPEG-II
	Recording Quality		XP (about 8.5 Mbps), SP (about 4.5 Mbps), LP (about 2.5 Mbps),
			EP (about 1.6 Mbps or about 1.2 Mbps), FR (about 1.2 Mbps to 8Mbps)
	Audio frequency characteristics		20 Hz ~ 20 KHz

2-2 Chassis Product Specification

General	Model Name	DVD-HR710	DVD-HR721
Info	Function	Standard	Standard
SYSTEM	COLOR SYSTEM	PAL	PAL
	BROADCAST SYSTEM	I, B/G, D/K, L/L'	I, B/G, D/K, L/L'
	AUTO CLOCK	O	O
RECORER FUNCTION	DVD-RAM	O	O
	DVD-R	O	O
	DVD-RW	O	O
	VIDEO	MPEG-2	MPEG-2
	AUDIO	2ch	2ch
	DVD-RAM/-R(4.7GB)	O	O
	HDD	80GB	160GB
	Flexible Recording	O	O
	OTR	O	O
	Time Slip	O	O
	VCR Plus+/Show View/G-Code	-	-
	Quick Dubbing	O	O
	EPG(Gemstar)	-	-
SUB FUNCTION	IR Blaster	-	-
	Play List	O	O
	Auto Chaptering	O	O
	JPEG Browser with BG music	O	O
	DV Input	O	O
	10in2 Memory Slot	-	-
PLAYBACK FUNCTION	DVD-RAM/-R/-RW	O/O/(O)	O/O/(O)
	DVD-Video/VCD/CD-DA	O/-/O	O/-/O
	CD-R/RW	O/O	O/O
	Music CD	O	O
	MPEG4/Divx	O	O
	Multi Memory Card	-	-
	Progressive Scan Output	O	O
	Upscaling(720P/1080i)	O	O
IN/OUT	Video / Audio 21pin (on the rear)	Yes (AV1)	Yes (AV1)
	Sat. 21 pin (om the rear) with RGB	Yes (AV2)	Yes (AV2)
	Video/Audio in RCA Jack (on the front)	Yes (AV3)	Yes (AV3)
	Video/Audio in RCA Jack (on the rear)	-	-
	Video/Audio out RCA Jack (on the rear)	Yes x 1	Yes x 1
	Additional Audio output (on the rear)	Yes x 1	Yes x 1
	Aerial In / Ant.- out (on the rear)	Yes	Yes
	RGB Output 21 pin	Yes (SCART-1) X 1	Yes (SCART-1)(1
	Coaxial Digital Audio output	Yes x 1	Yes x 1
	Optical Digital Audio output	Yes x 1	Yes x 1
	S-Video output (on the rear)	Yes x 1	Yes x 1
	S-Video input (on the front)	-	-
	S-Video input (on the rear)	-	-
	DV input (on the front)	Yes	Yes
	Component VIdeo Output	Yes	Yes

2-3 Option Product Specification

Description Fig	Description	Parts No	Remark
	Remote Control	AK59-00023M	Model Standard of DVD-HR721/XEC
	Batteries for Remote Control	4301-001035	Model Standard of DVD-HR721/XEC S.N.A
	User's Manual	–	Model Standard of DVD-HR721/XEC
	Quick Guide	–	Model Standard of DVD-HR721/XEC S.N.A
	Video/Audio Cable	AC39-42001R	Model Standard of DVD-HR721/XEC
	RF Cable	AC39-00017A	Model Standard of DVD-HR721/XEC

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3. Software Update

3-1 Drive Firmware Update

3-1-1 Introduction

When you can not record and play on specific recording media (especially on newly available DVD-RAM, DVD-RW or DVD-R).

3-1-2 How to make an update disc

• Write the downloaded file onto a blank CD-R or CD-RW disc, using the following settings :

1) Download the software update file from the samsung internet site. (**http://europe.samsungportal.com)**

2) Write the file to disc using the CD-RW of your computer.

NOTE

- Recommended Application Program
  - Nero Burning / Easy CD Creator ..etc
- Option
  - Name : SDM2224
  - Extension name : "*.REC"
  - Multisession : No Multisession
  - File name lenght : Max. of 11 = 8 + 3
  - Format : Mode 1
  - Character set : ISO 9660 or Joliet Format
  - CD Close & Dise at once

WARNING

Very important : please read the notice below before updating your unit.

The following events may interrupt the update process and MAY RESULT IN PERMANENT DAMAGE TO THE UNIT WHILE UPDATING

① Unplugging the power cord.
② Power Outage.
③ Dirt or Scratches on the disc.
④ Opening a disc tray during processing.

1) Press **OPEN/CLOSE** to open the disc tray.
2) Insert the update CD-R disc with the software update, label facing up.
3) Press **OPEN/CLOSE** to close the disc tray.

* It takes about 1~2 minites before the mesage below appears.

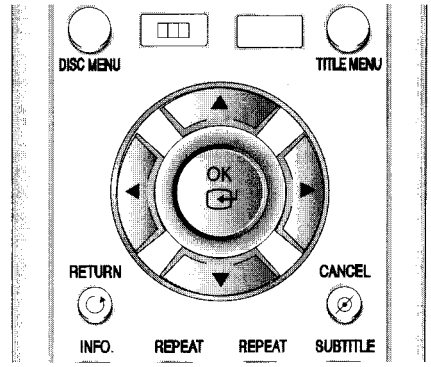


Fig. 3-1 Remote Control

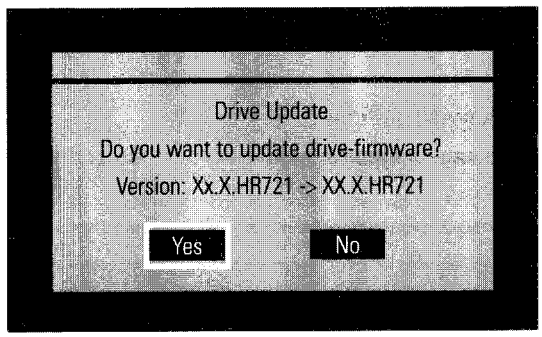


Fig. 3-2

Atfer checking old and new version, select "Yes" or "No" with "◀" or "▶" on the remote control.
* The Version is indicated by "XX.X modelname"

* If you don't see the message above, try another disc. Generally, this is caused by disc quality and by disc creating problem.

4) Press the **OK** button on the remote control (Fig. 3-1).

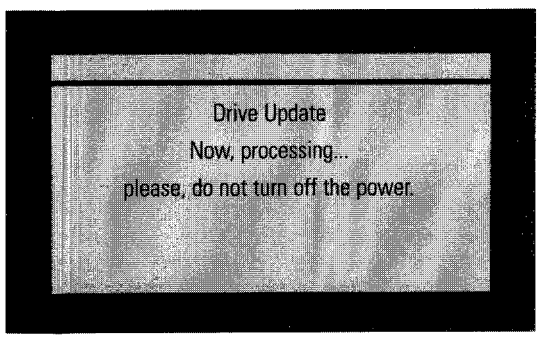


Fig.3-3

You will see "LOAD" on FLT Display.

5) It takes about 1~2 minutes to complete the update.
The message below will be displayed in the screen after update is completed and the tray will open automatically.

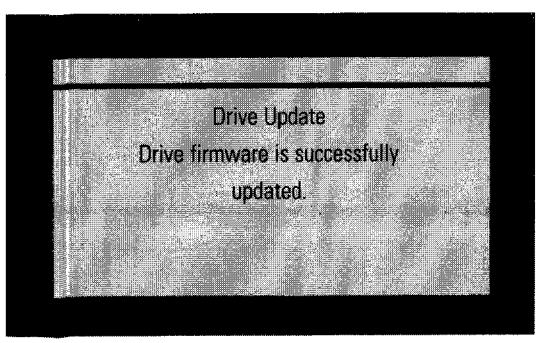


Fig. 3-4

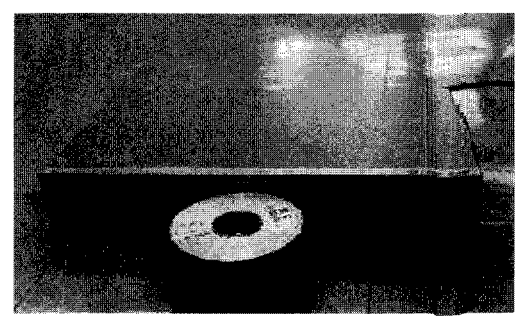


Fig. 3-5

6) After removing the update disc, turn off the unit with power button.
Turn on the power again the tray will then close.
The drive firmware is now complete.

3-2 Flash Update

3-2-1 Introduction

When you encounter the problem which is not related in drive firmware necessity.

3-2-2 How to make an update disc

Write the downloaded file onto a blank CD-R or CD-RW disc, using the following settings :

1) Download the software update file from the samsung internet site. (**http://europe.samsungportal.com)**

2) Write the file to disc using the CD-RW of your computer.

NOTE

- Recommended Application Program
  - Nero Burning / Easy CD Creator ..etc
- Option
  - Multisession : No Multisession
  - CD close & disc at once
  - ISO 9660 or joliet format
  - Extension name : "*.RUF"
- In order to increase disc playability, add a dummy file (over 100MB) together with the latest program.
  (The dummy file can be any kind of file except MP3 file etc which can be played in the unit and we recommend to use a file whose extension name as "*.dmy", which can be changed from original one.)

WARNING

Very important : please read the notice below before updating your unit.

The followong events may interrupt the update process and MAY RESULT IN PERMANENT DAMAGE TO THE UNIT WHILE UPDATING

① Unplugging the power cord.
② Power Outage.
③ Dirt or Scratches on the disc.
④ Opening a disc tray during processing.

1) Press **OPEN/CLOSE** to open the disc tray.
2) Insert the update CD-R disc with the software update, label facing up.
3) Press **OPEN/CLOSE** to close the disc tray.

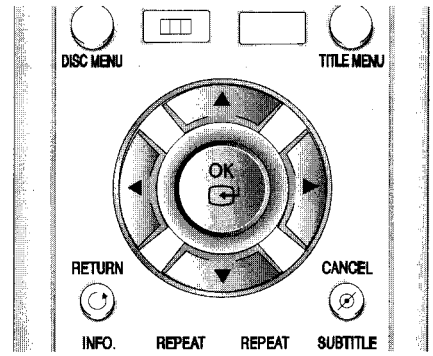


Fig. 3-6 Remote Control

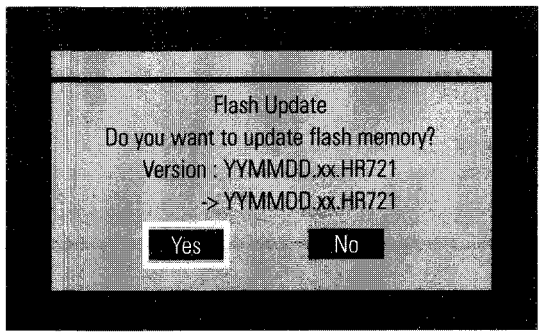


Fig. 3-7

Atfer checking old and new version, select "Yes" or "No" with "◀" or "▶" on the remote control.
* The Version is indicated by "YYMMDD.xx modelname"

* If you don't see the message above, try another disc.
Generally, this is caused by disc quality and by disc creating problem.

4) Press the **OK** button on the remote control (Fig. 3-6).

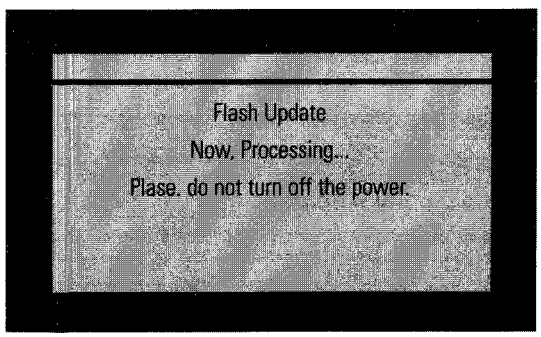


Fig. 3-8

5) It takes about 5 minutes to complete the update.
The message below will be displayed in the screen after update is completed and the tray will open automatically.

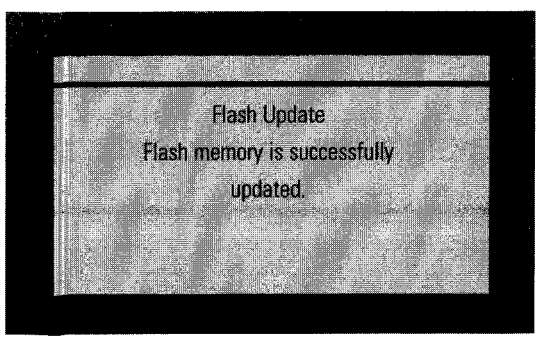


Fig. 3-9

* If the message to the left isn't displayed after 10minutes and the unit is no longer functioning properly, contact a samsung authorized service center.

6) After removing the update disc, turn off the unit with power button.
Turn on the power again and the tray will then close.
The Flash update is now complete.

4. Disassembly and Reassembly

4-1 Cabinet and PCB

Note : Reassembly in reverse order.

4-1-1 Top Cabinet Removal

1) Remove 5 Screws ❶, ❷.
2) Lift up the Top Cabinet in direction of arrow.

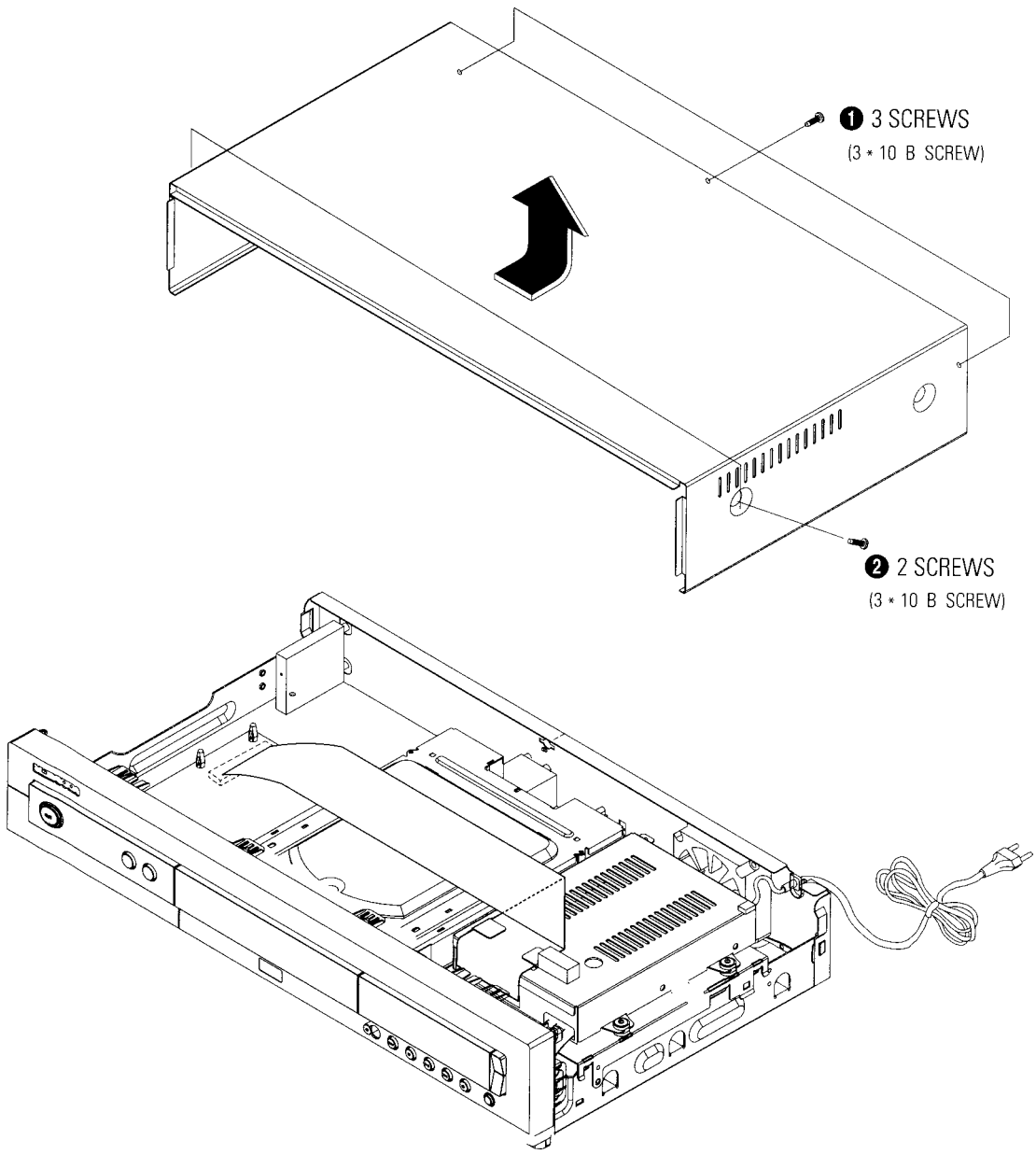


Fig. 4-1 Top Cabinet Removal

4-1-2 Ass'y Front-Cabinet Removal

1) Release 6 Hooks ❶, ❷, ❸, ❹ and Ass'y Front-Cabinet ❺.

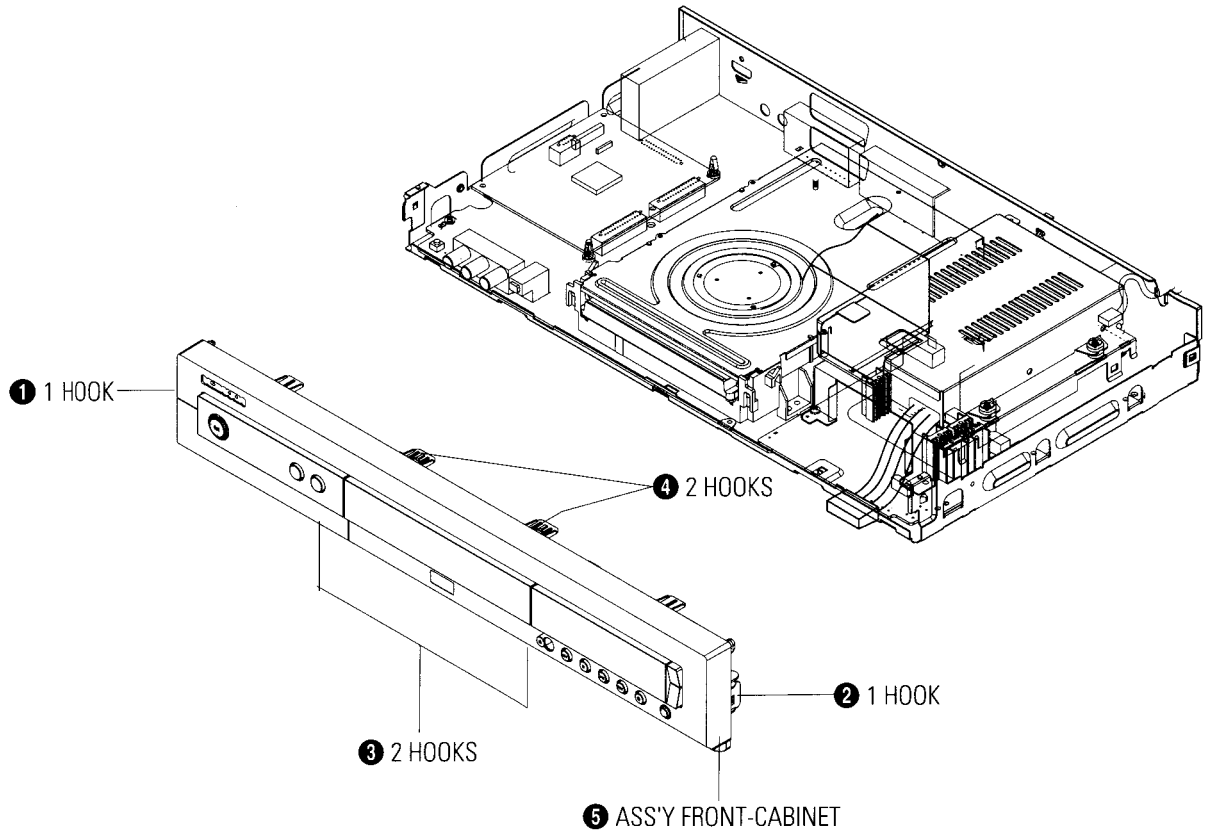


Fig. 4-2 Ass'y Front-Cabinet Removal

4-1-3 Hard Disk Removal

1) Remove 7 Screws ❶, ❷ from the Hard Disk and lift it up.

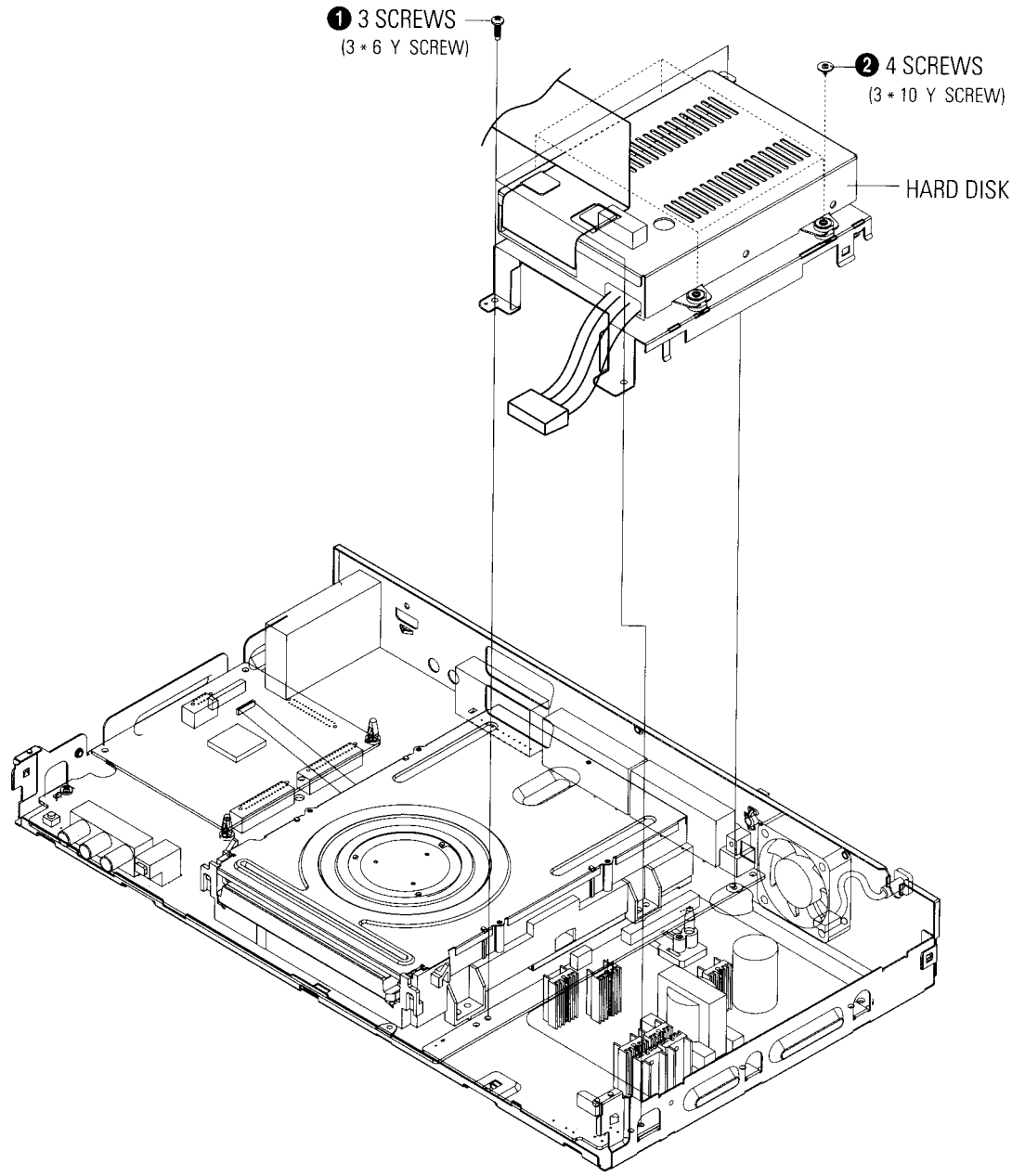


Fig. 4-3 Hard Disk Removal

4-1-4 Ass'y Deck, Main PCB and S.M.P.S. PCB Removal

1) Remove 4 Screws ❶, ❷ from the Ass'y Deck and lift it up.
2) Remove 2 Screws ❸ from the Main PCB ❹ and lift it up.
3) Remove 2 Screws ❺ from the S.M.P.S. PCB ❻ and lift it up.

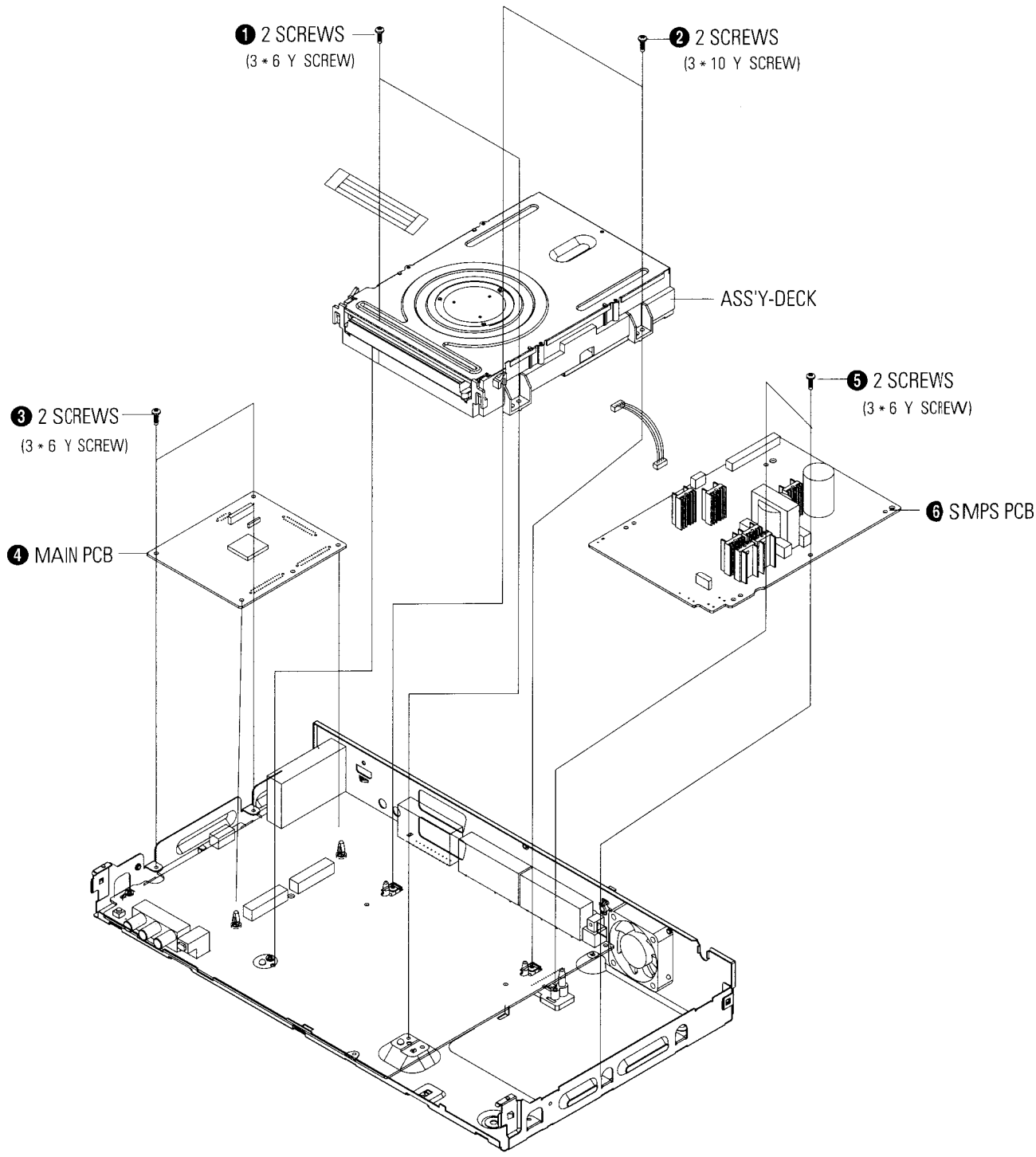


Fig. 4-4 Ass'y Deck, Main PCB and S.M.P.S. PCB Removal

4-1-5 Jack PCB Removal

1) Remove 4 Screws ❶, ❷ from the Jack PCB ❸ and lift it up.

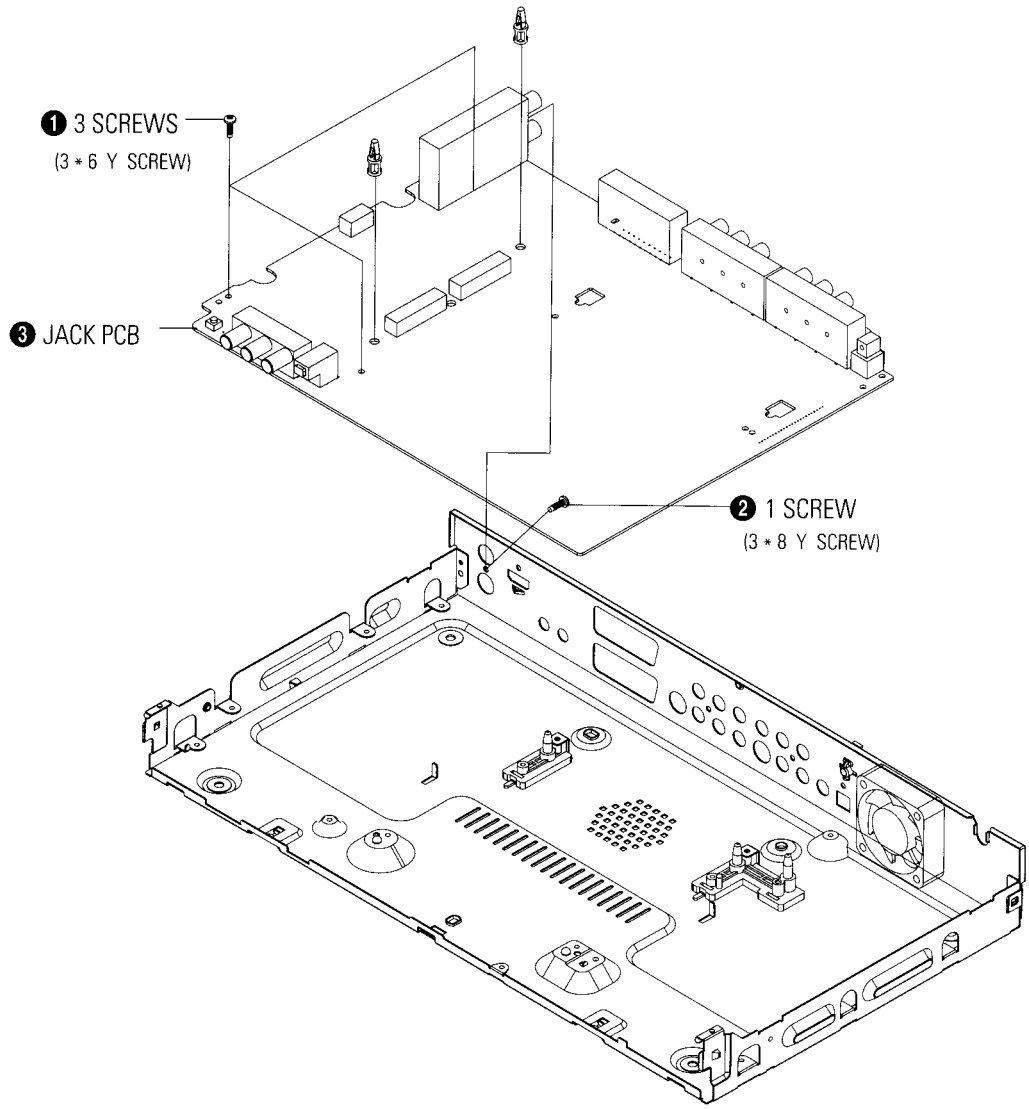


Fig. 4-5 Jack PCB Removal

4-1-6 DC FAN Removal

1) Remove 2 Screws ❶, from the DC Fan ❷ and lift it up.

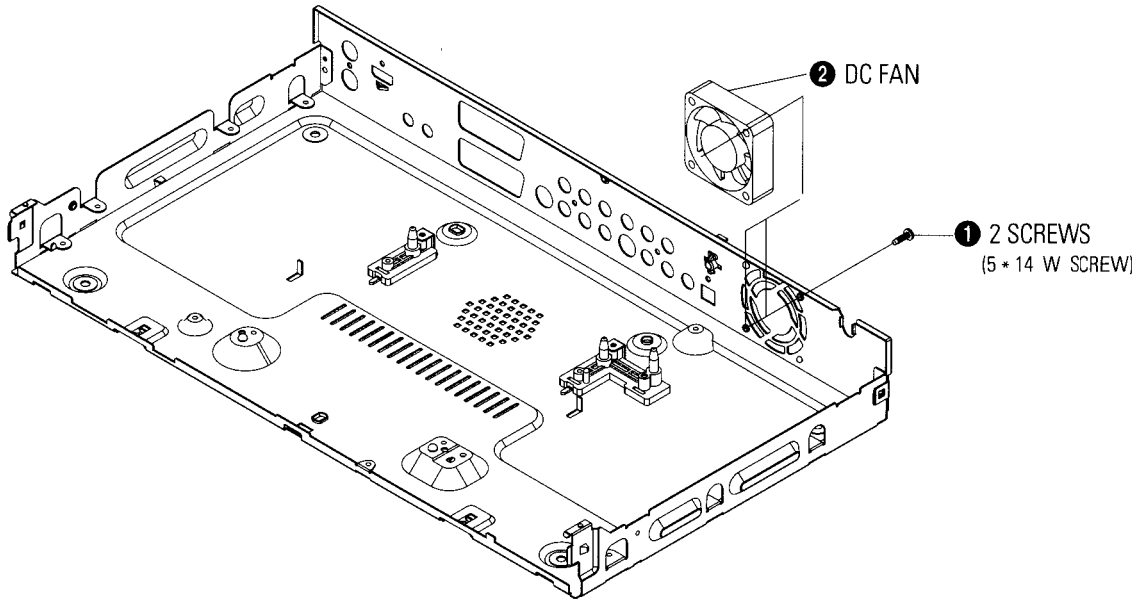


Fig. 4-6 DC FAN Removal

4-2 PCB Location

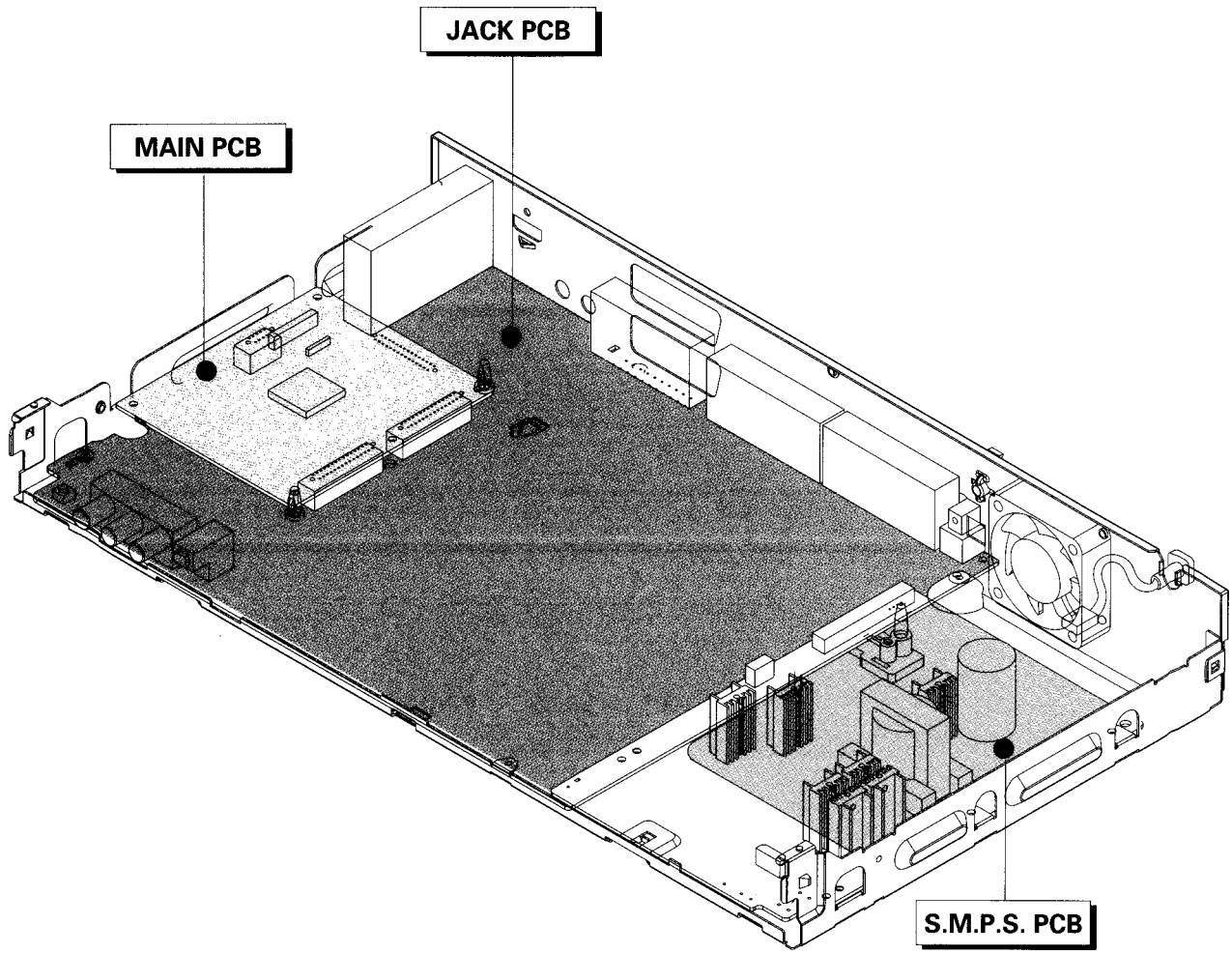
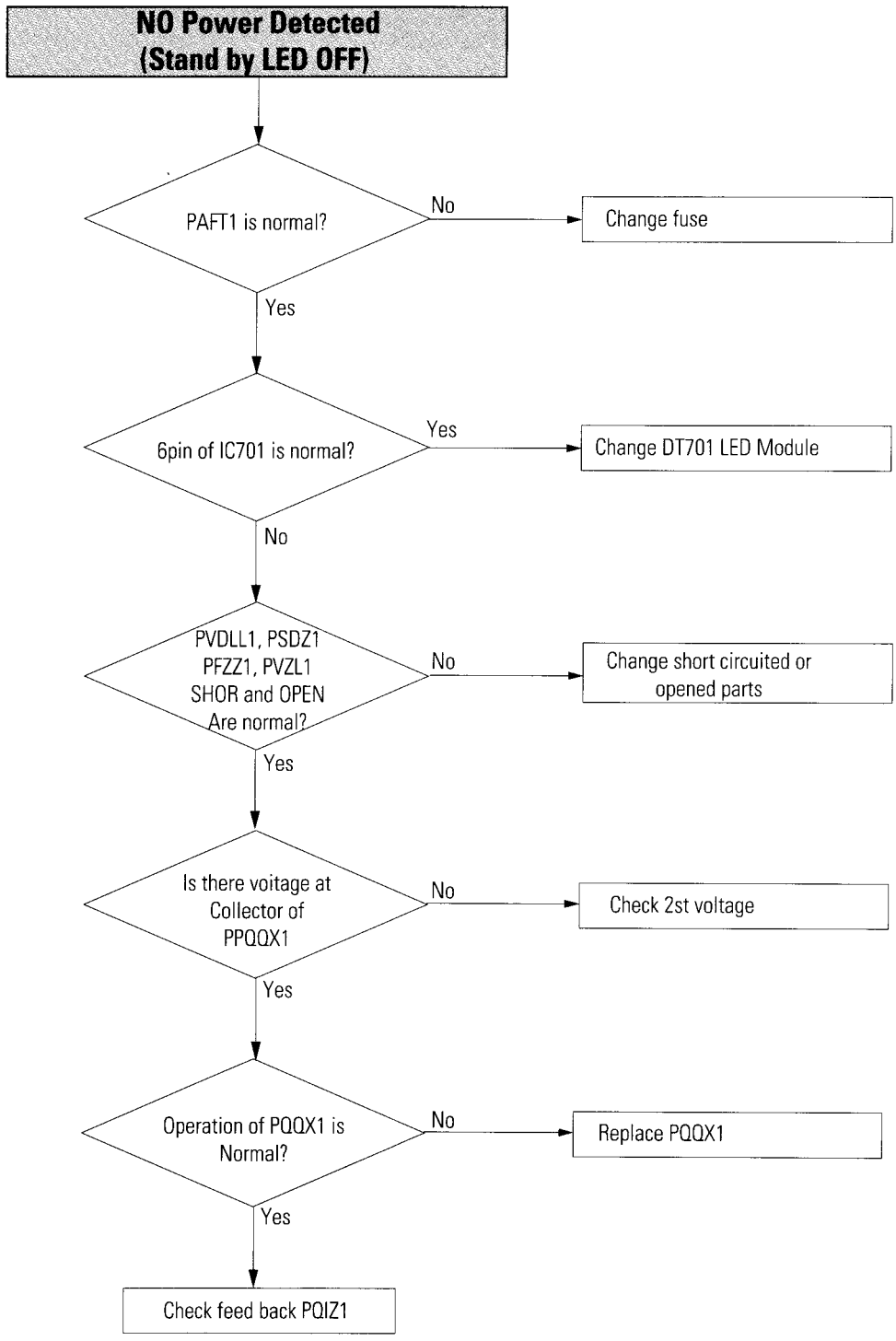
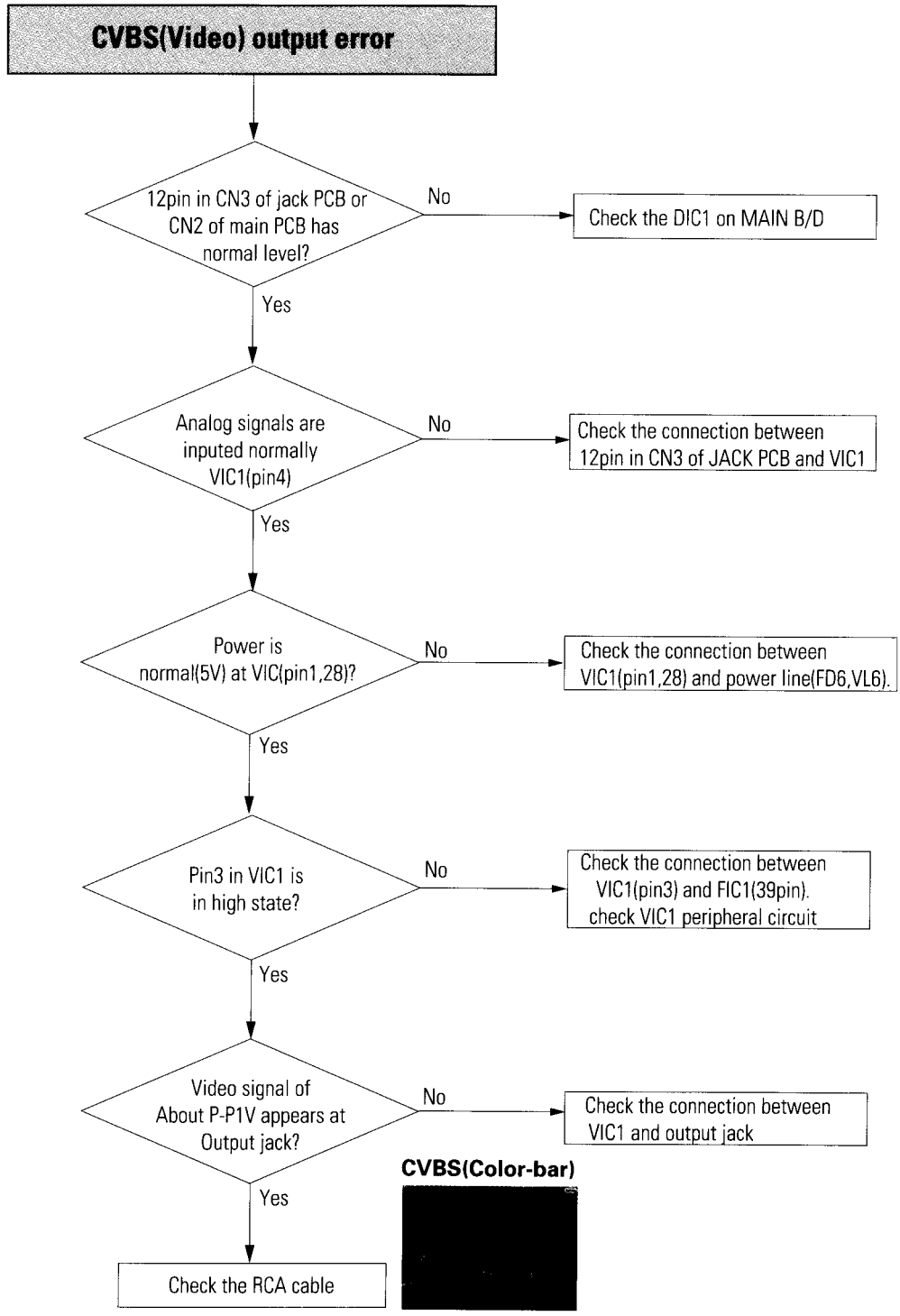


Fig. 4-7 PCB Location

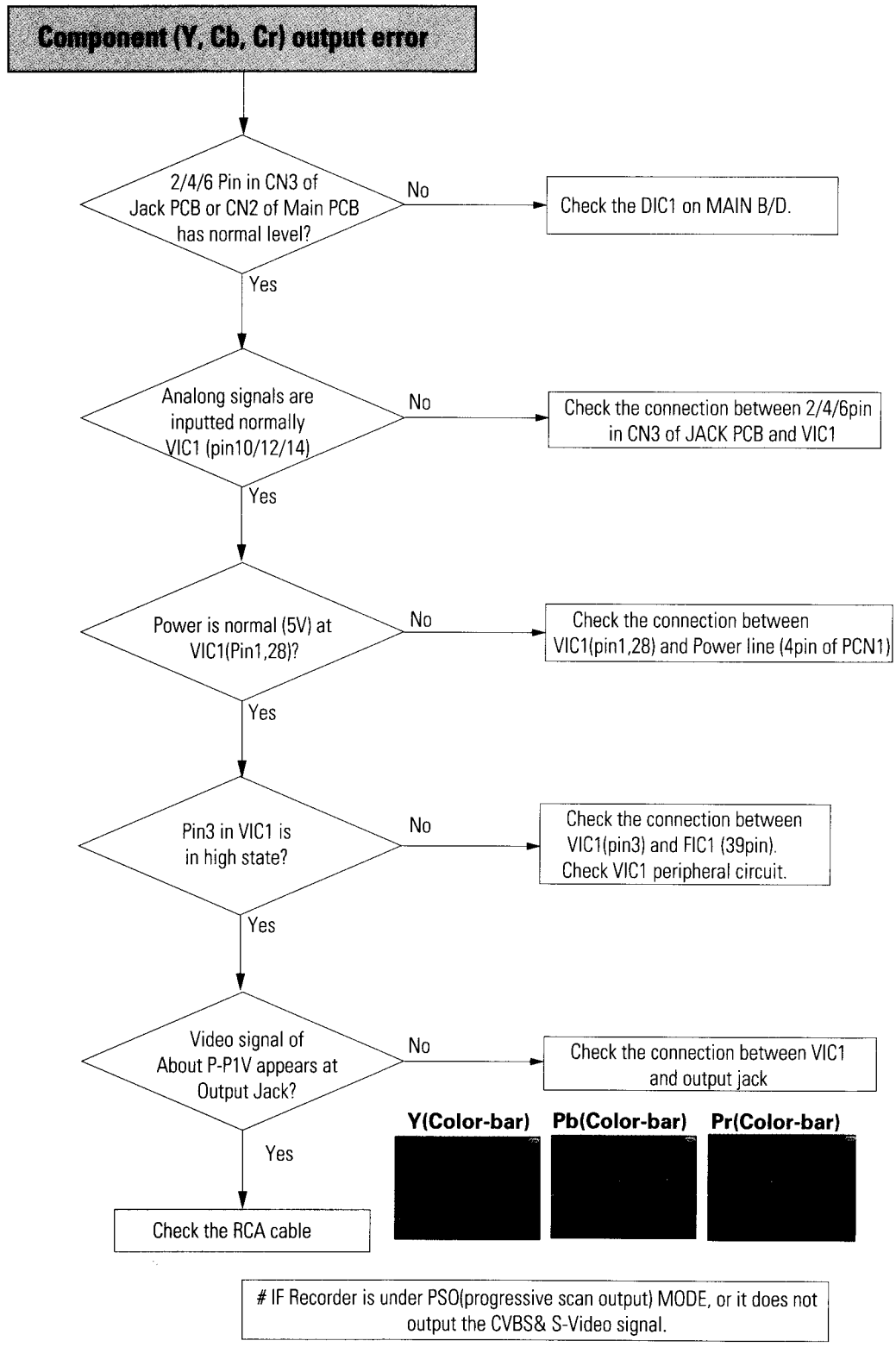
MEMO

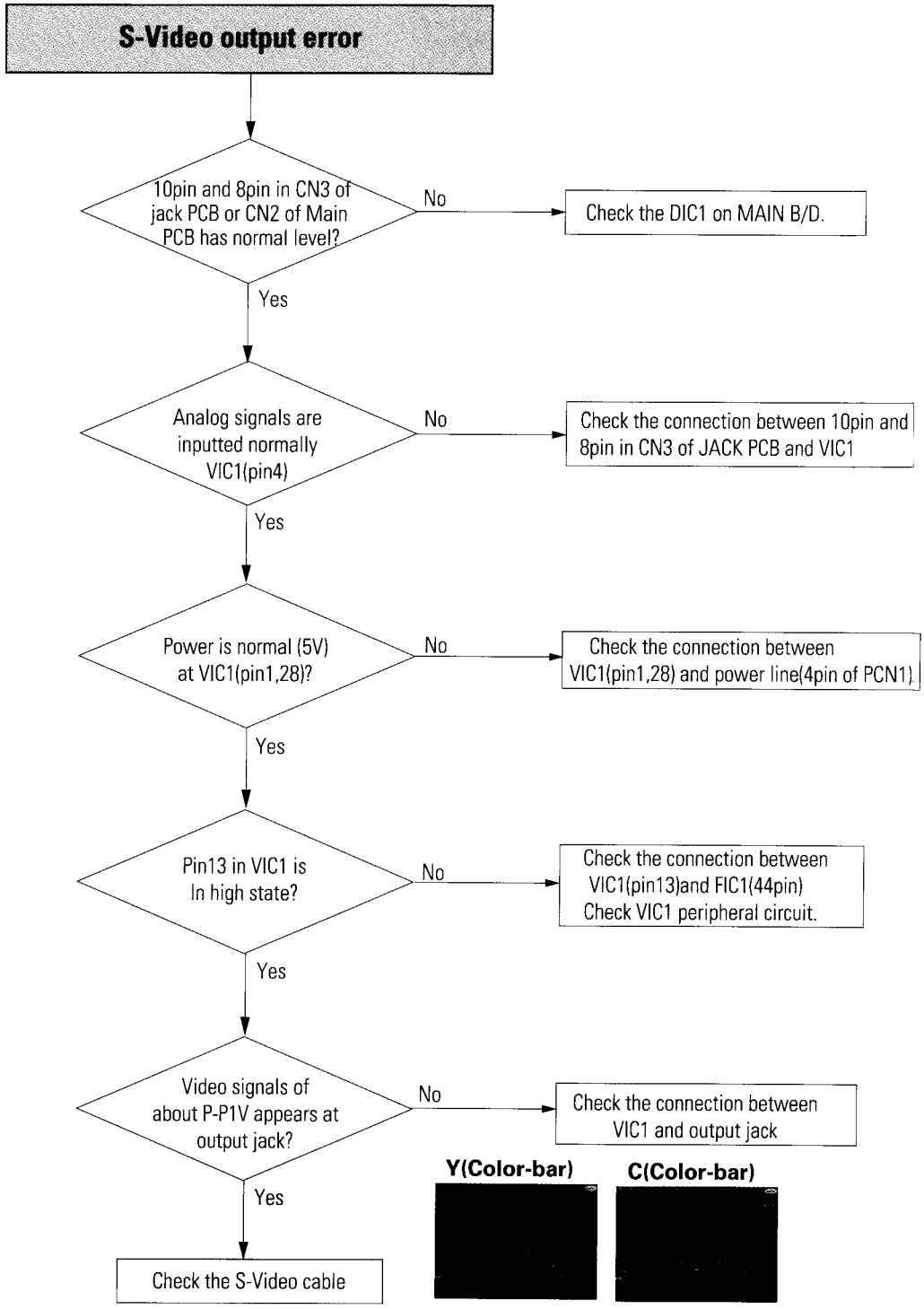
5. Troubleshooting

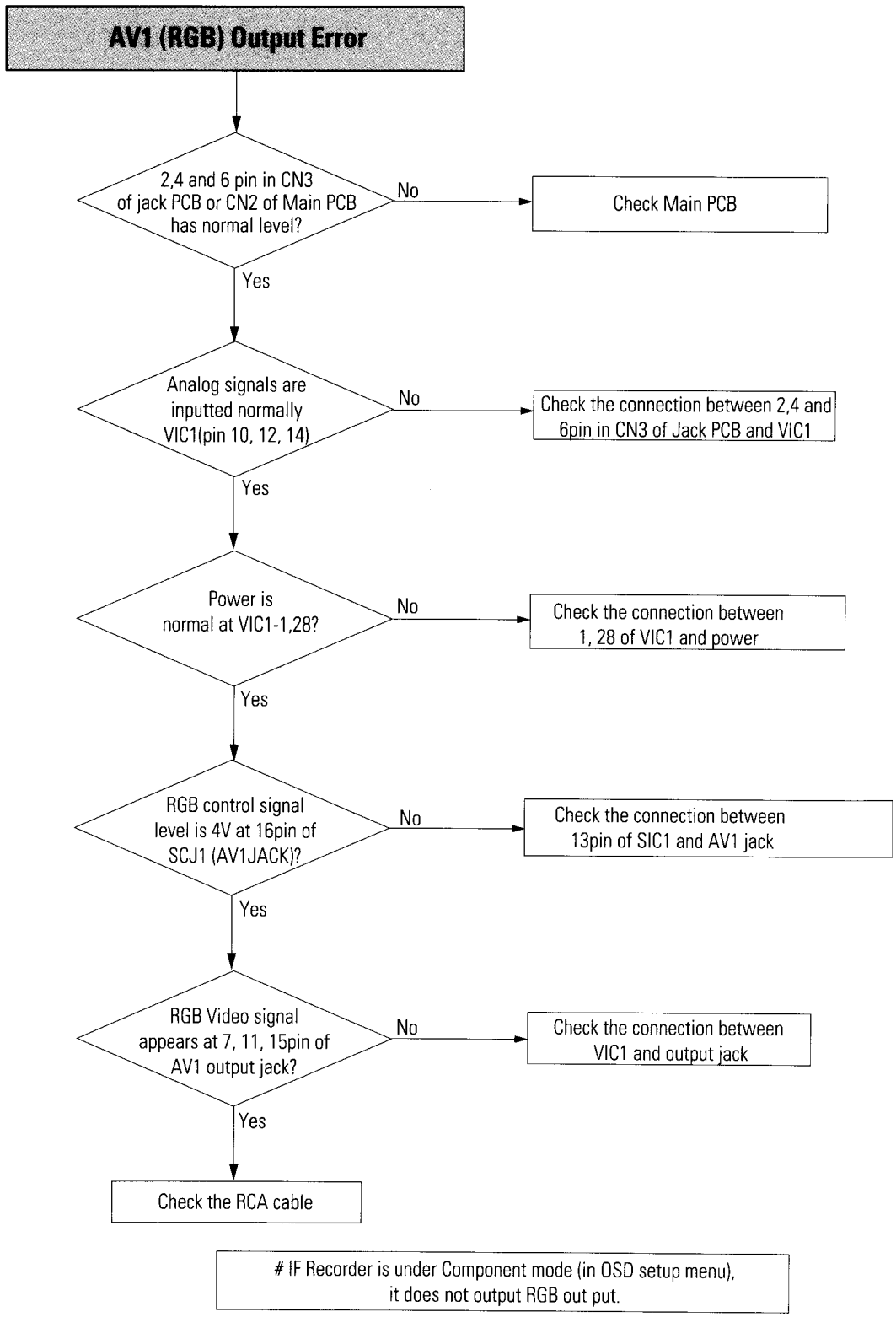


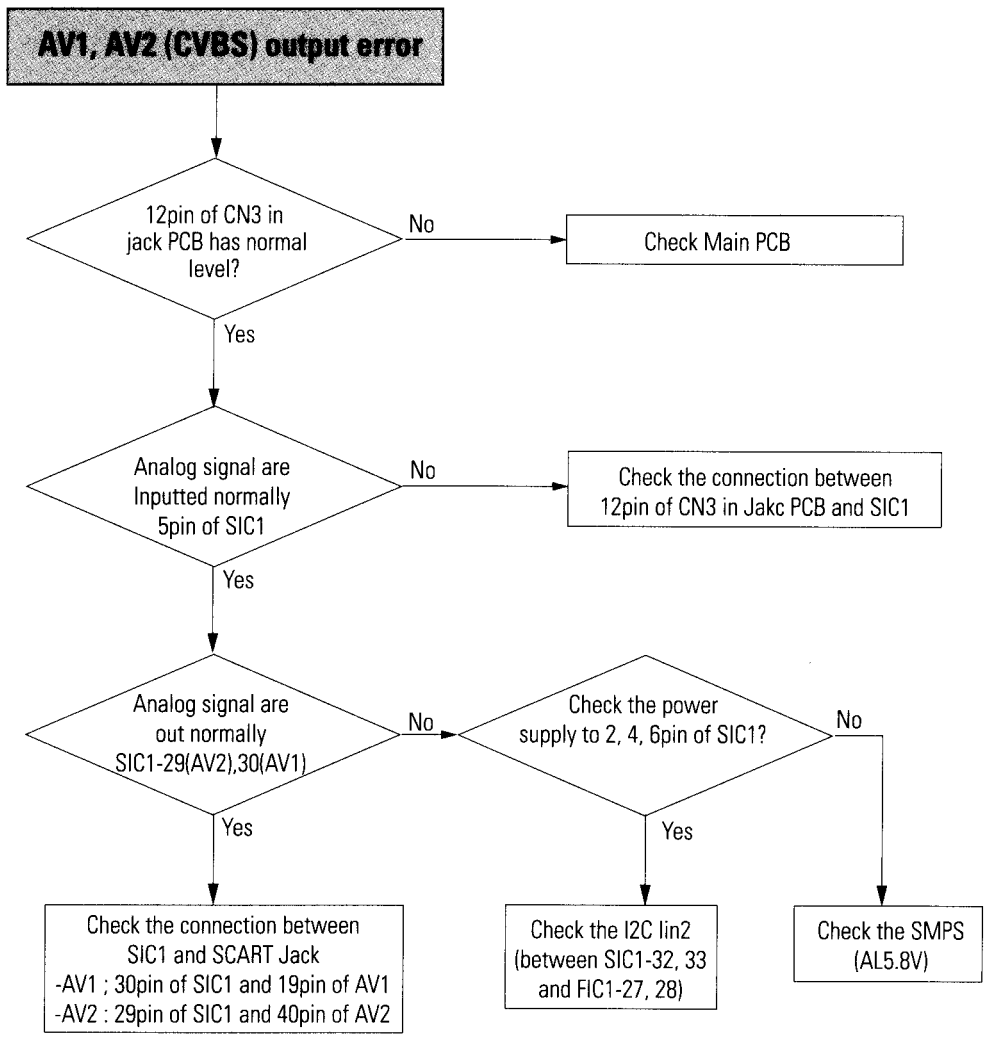

CVBS(Video) output error
12pin in CN3 of jack PCB or CN2 of main PCB has normal level?
No
Check the DIC1 on MAIN B/D
Yes
Analog signals are inputed normally VIC1(pin4)
No
Check the connection between 12pin in CN3 of JACK PCB and VIC1
Yes
Power is normal(5V) at VIC(pin1,28)?
No
Check the connection between VIC1(pin1,28) and power line(FD6,VL6).
Yes
Pin3 in VIC1 is in high state?
No
Check the connection between VIC1(pin3) and FIC1(39pin). check VIC1 peripheral circuit
Yes
Video signal of About P-P1V appears at Output jack?
No
Check the connection between VIC1 and output jack
Yes
Check the RCA cable
CVBS(Color-bar)

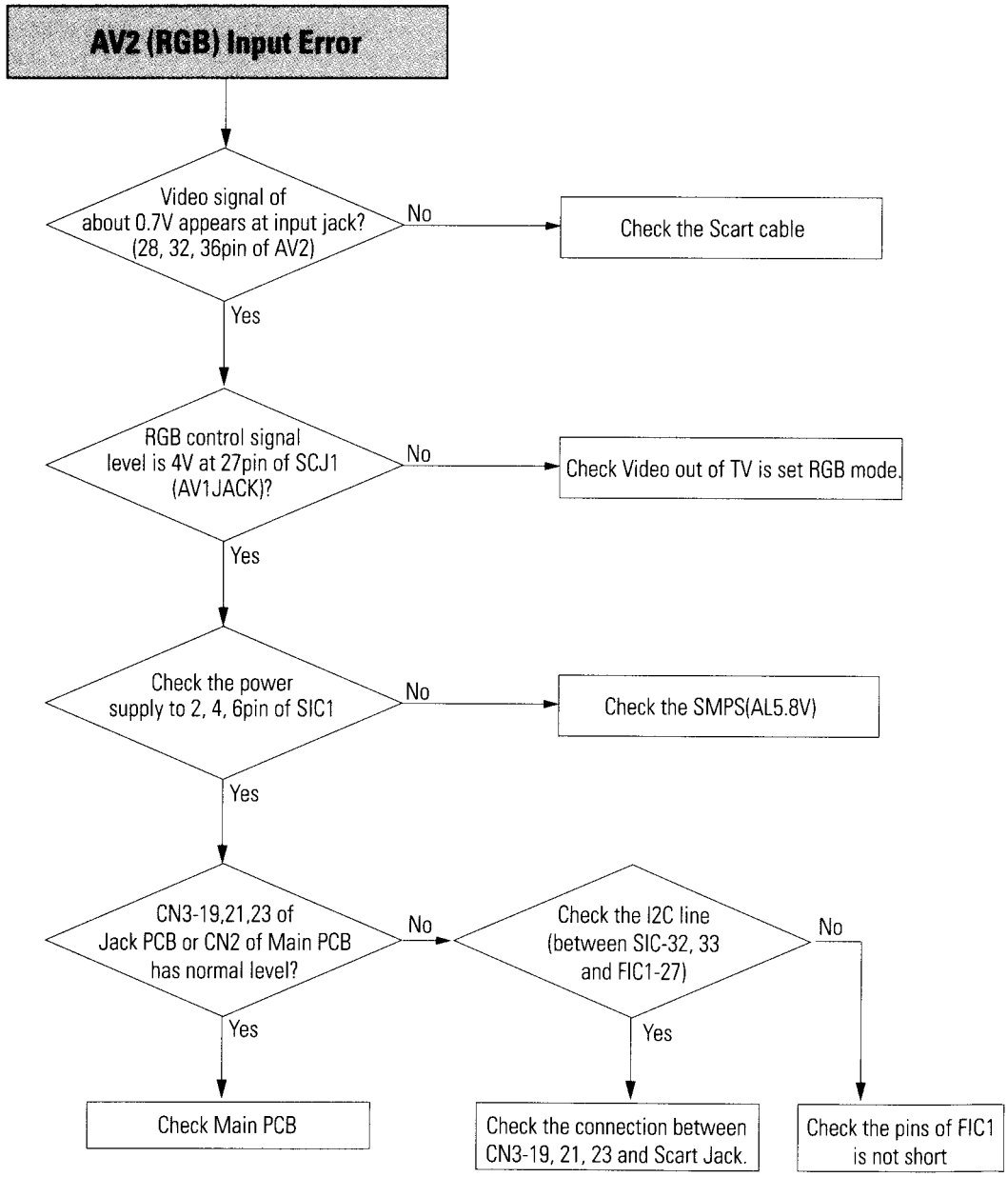
IF Recorder is under PSO(progressive scan output) MODE, it does not output the CVBS& S-Video, RGB signal.

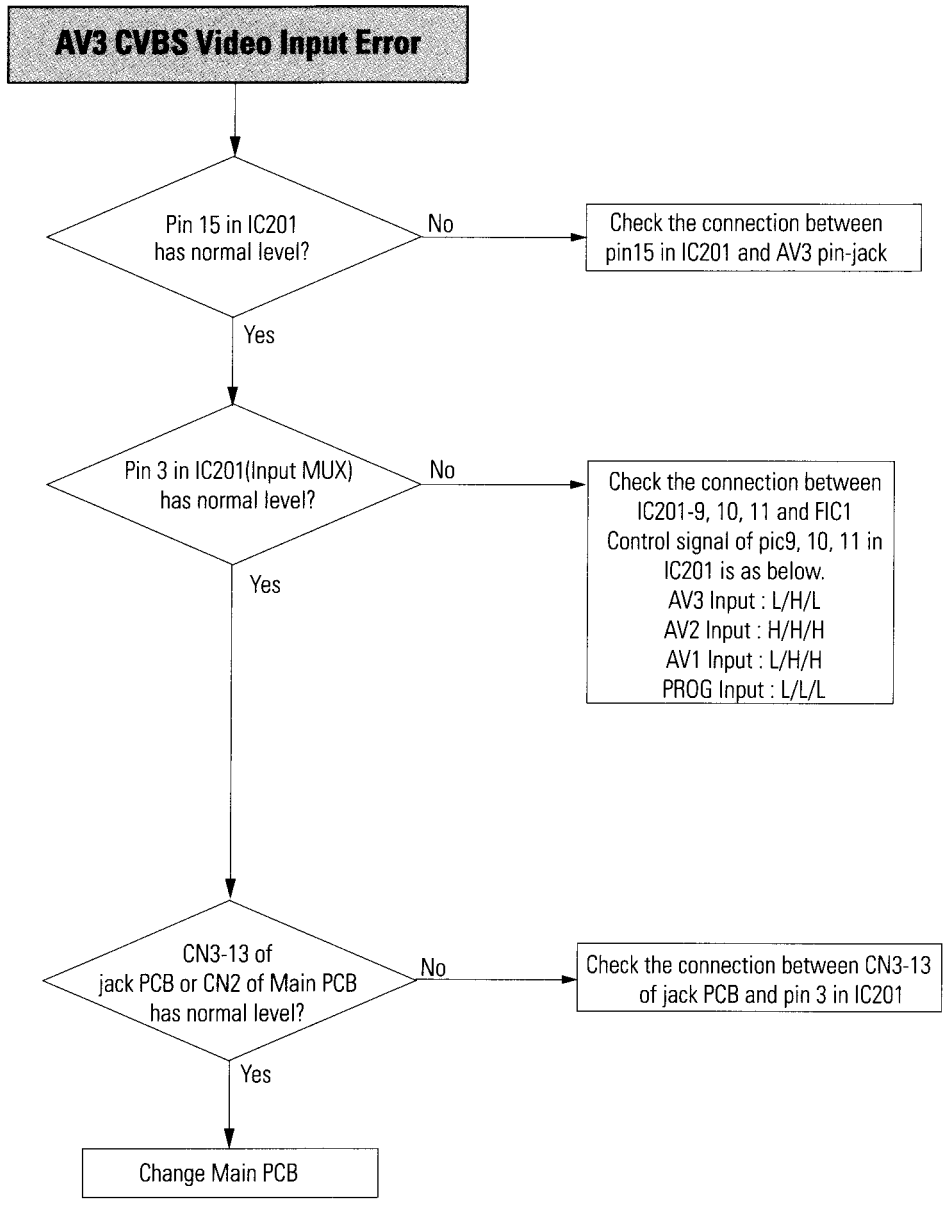

Component (Y, Cb, Cr) output error
2/4/6 Pin in CN3 of Jack PCB or CN2 of Main PCB has normal level?
No
Check the DIC1 on MAIN B/D.
Yes
Analong signals are inputted normally VIC1 (pin10/12/14)
No
Check the connection between 2/4/6pin in CN3 of JACK PCB and VIC1
Yes
Power is normal (5V) at VIC1(Pin1,28)?
No
Check the connection between VIC1(pin1,28) and Power line (4pin of PCN1)
Yes
Pin3 in VIC1 is in high state?
No
Check the connection between VIC1(pin3) and FIC1 (39pin). Check VIC1 peripheral circuit.
Yes
Video signal of About P-P1V appears at Output Jack?
No
Check the connection between VIC1 and output jack
Yes
Check the RCA cable
Y(Color-bar)
Pb(Color-bar)
Pr(Color-bar)
# IF Recorder is under PSO(progressive scan output) MODE, or it does not output the CVBS& S-Video signal.

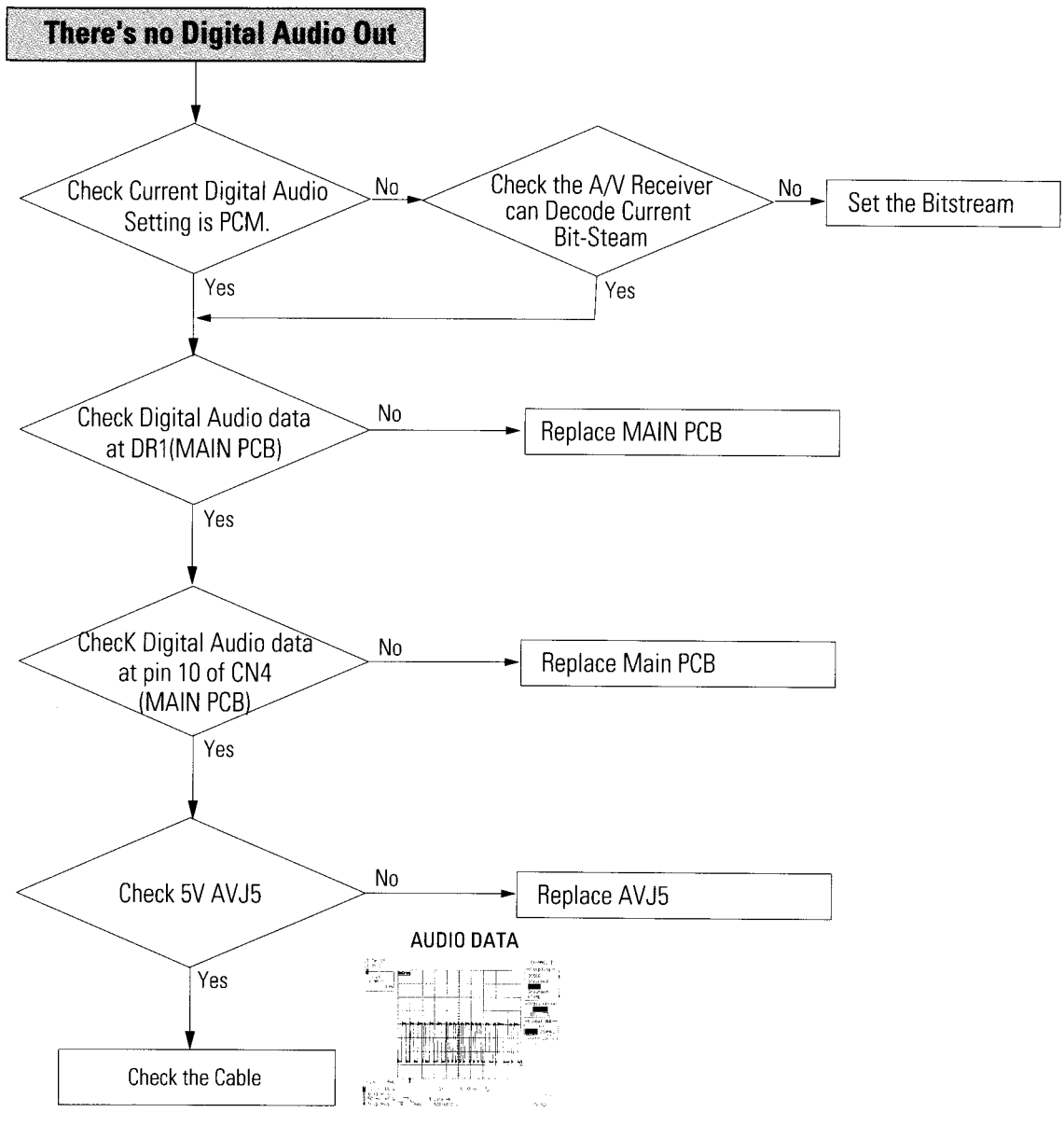

S-Video output error
10pin and 8pin in CN3 of jack PCB or CN2 of Main PCB has normal level?
No
Check the DIC1 on MAIN B/D.
Yes
Analog signals are inputted normally VIC1(pin4)
No
Check the connection between 10pin and 8pin in CN3 of JACK PCB and VIC1
Yes
Power is normal (5V) at VIC1(pin1,28)?
No
Check the connection between VIC1(pin1,28) and power line(4pin of PCN1)
Yes
Pin13 in VIC1 is In high state?
No
Check the connection between VIC1(pin13)and FIC1(44pin) Check VIC1 peripheral circuit.
Yes
Video signals of about P-P1V appears at output jack?
No
Check the connection between VIC1 and output jack
Yes
Check the S-Video cable
Y(Color-bar)
C(Color-bar)

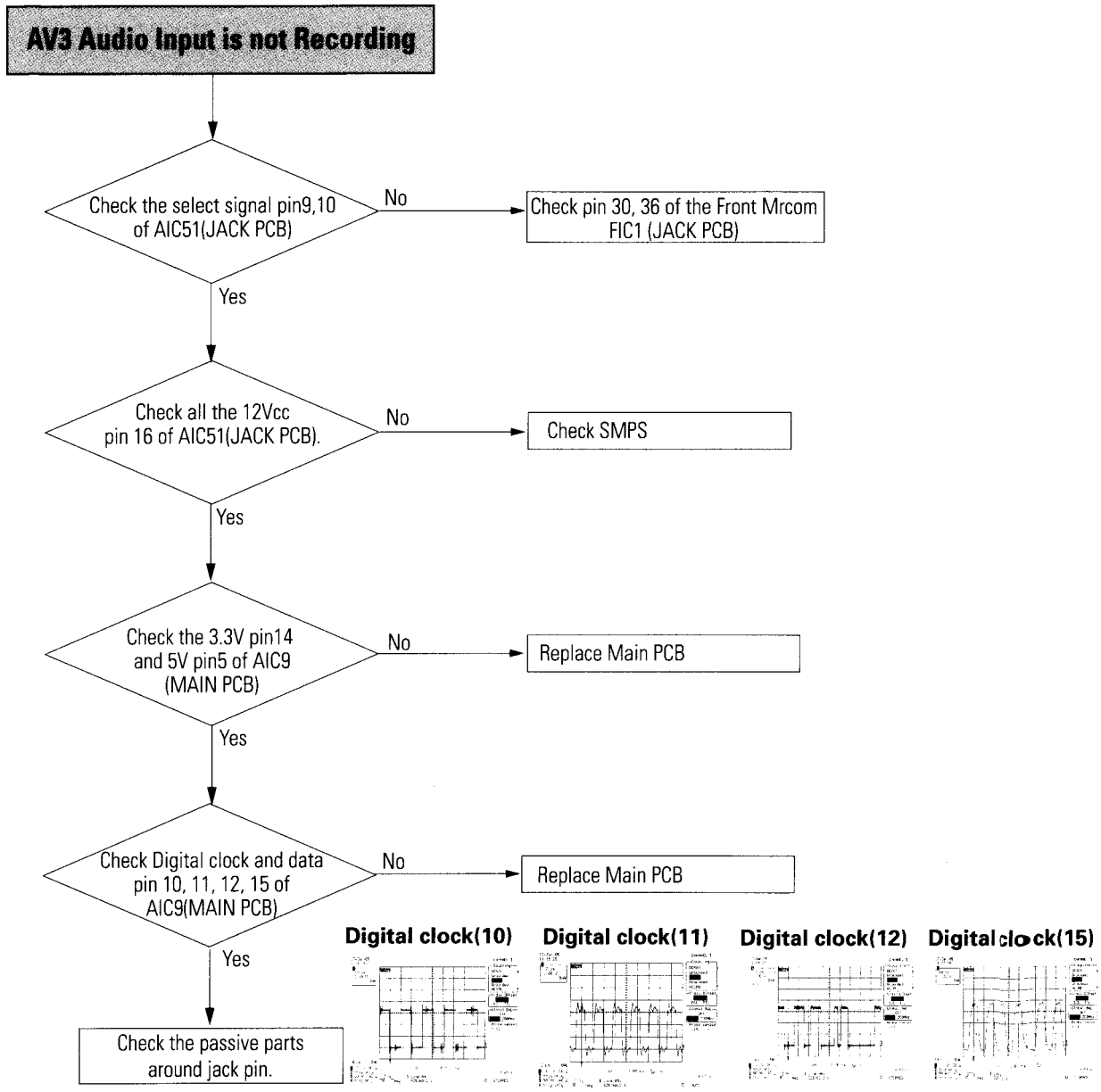

AV1 (RGB) Output Error
2,4 and 6 pin in CN3 of jack PCB or CN2 of Main PCB has normal level?
No
Check Main PCB
Yes
Analog signals are inputted normally VIC1(pin 10, 12, 14)
No
Check the connection between 2,4 and 6pin in CN3 of Jack PCB and VIC1
Yes
Power is normal at VIC1-1,28?
No
Check the connection between 1, 28 of VIC1 and power
Yes
RGB control signal level is 4V at 16pin of SCJ1 (AV1JACK)?
No
Check the connection between 13pin of SIC1 and AV1 jack
Yes
RGB Video signal appears at 7, 11, 15pin of AV1 output jack?
No
Check the connection between VIC1 and output jack
Yes
Check the RCA cable
IF Recorder is under Component mode (in OSD setup menu), it does not output RGB out put.

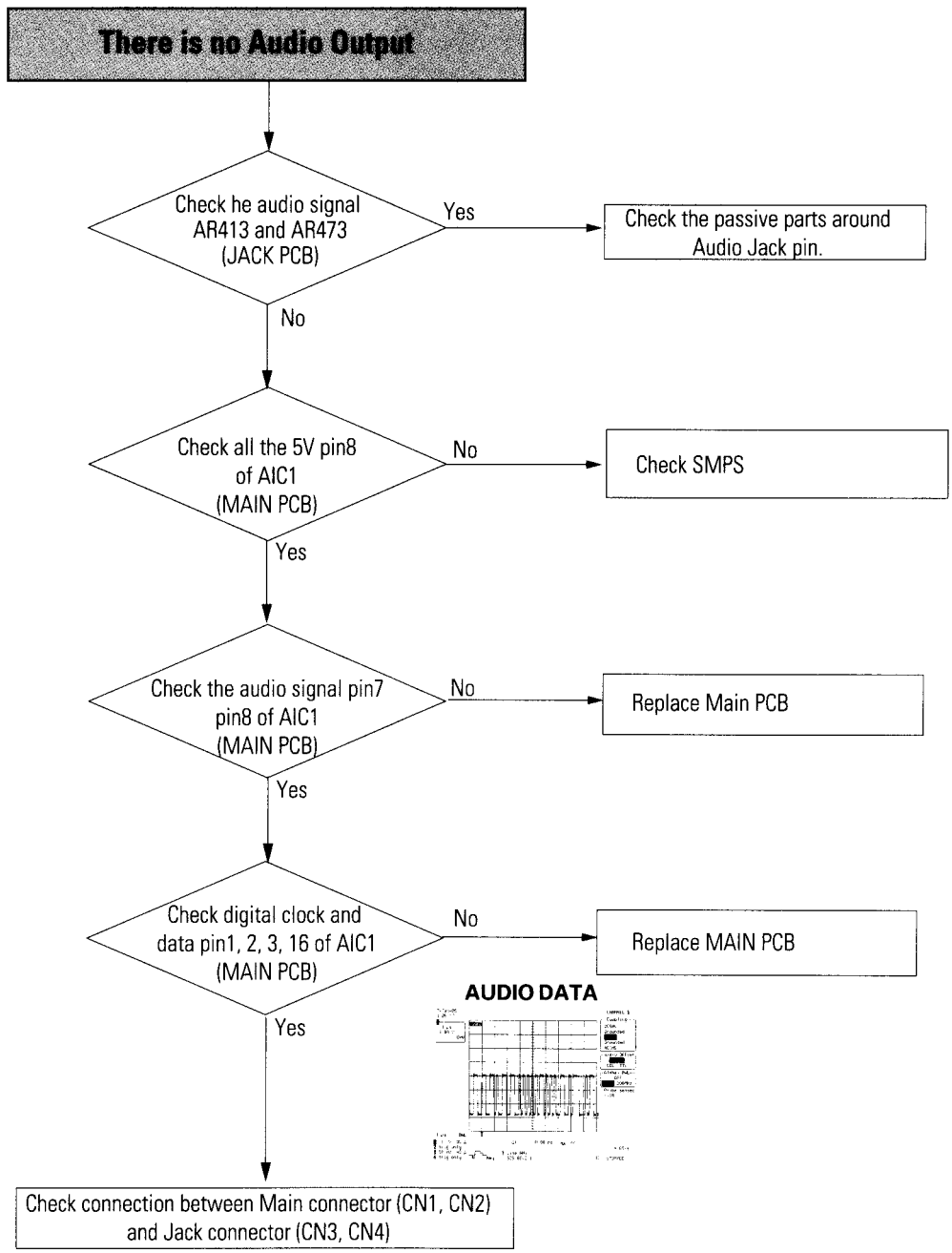

AV1, AV2 (CVBS) output error
12pin of CN3 in jack PCB has normal level?
No
Check Main PCB
Yes
Analog signal are Inputted normally 5pin of SIC1
No
Check the connection between 12pin of CN3 in Jakc PCB and SIC1
Yes
Analog signal are out normally SIC1-29(AV2),30(AV1)
No
Check the power supply to 2, 4, 6pin of SIC1?
No
Yes
Yes
Check the connection between SIC1 and SCART Jack
-AV1 ; 30pin of SIC1 and 19pin of AV1
-AV2 : 29pin of SIC1 and 40pin of AV2
Check the I2C Iin2 (between SIC1-32, 33 and FIC1-27, 28)
Check the SMPS (AL5.8V)

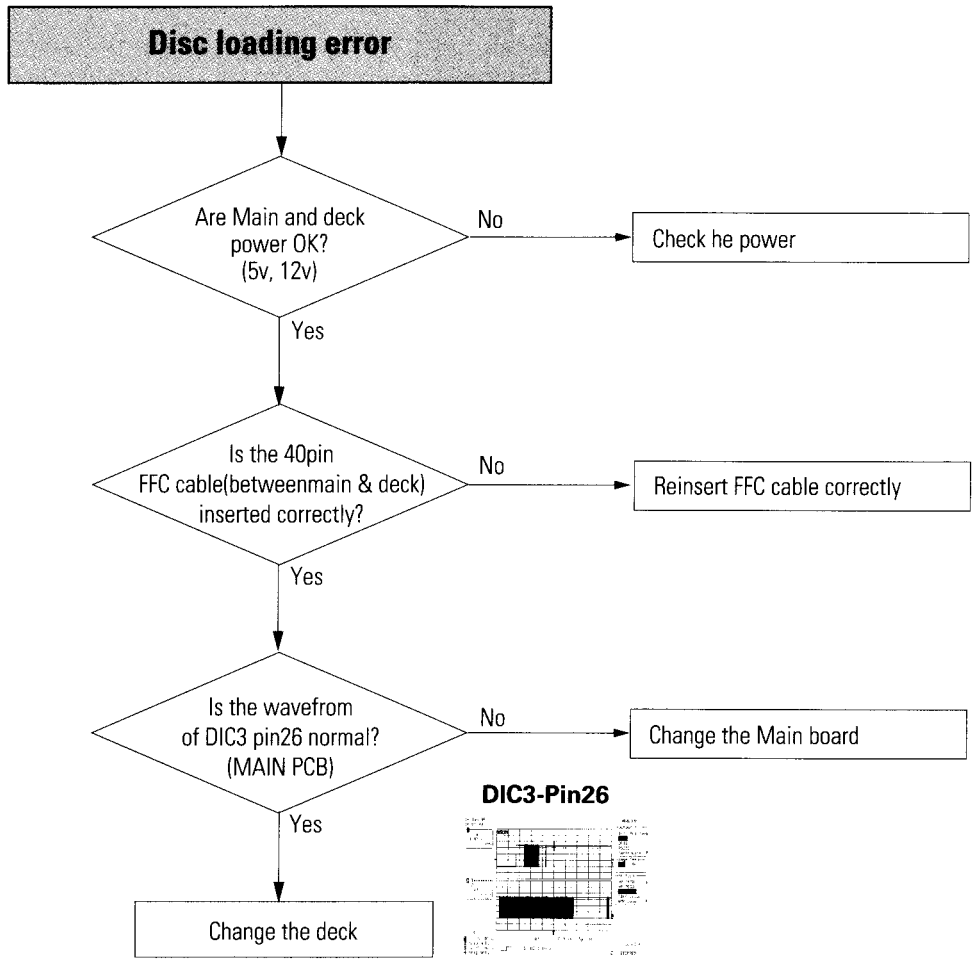

AV2 (RGB) Input Error
Video signal of about 0.7V appears at input jack? (28, 32, 36pin of AV2)
No
Check the Scart cable
Yes
RGB control signal level is 4V at 27pin of SCJ1 (AV1JACK)?
No
Check Video out of TV is set RGB mode.
Yes
Check the power supply to 2, 4, 6pin of SIC1
No
Check the SMPS(AL5.8V)
Yes
CN3-19,21,23 of Jack PCB or CN2 of Main PCB has normal level?
No
Check the I2C line (between SIC-32, 33 and FIC1-27)
No
Yes
Yes
Check Main PCB
Check the connection between CN3-19, 21, 23 and Scart Jack.
Check the pins of FIC1 is not short

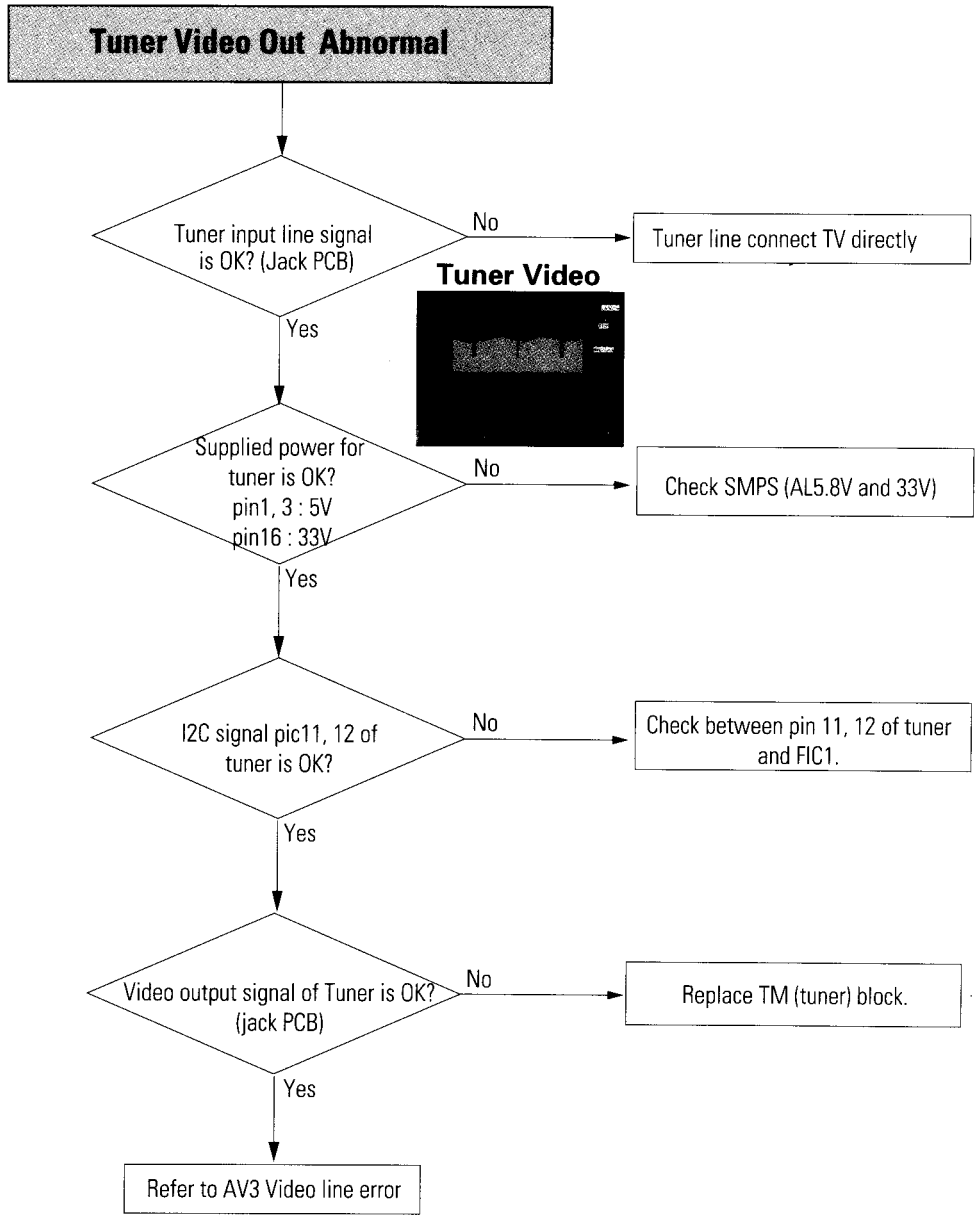

AV3 CVBS Video Input Error
Pin 15 in IC201 has normal level?
No
Check the connection between pin15 in IC201 and AV3 pin-jack
Yes
Pin 3 in IC201(Input MUX) has normal level?
No
Check the connection between IC201-9, 10, 11 and FIC1
Control signal of pic9, 10, 11 in IC201 is as below.
AV3 Input : L/H/L
AV2 Input : H/H/H
AV1 Input : L/H/H
PROG Input : L/L/L
Yes
CN3-13 of jack PCB or CN2 of Main PCB has normal level?
No
Check the connection between CN3-13 of jack PCB and pin 3 in IC201
Yes
Change Main PCB

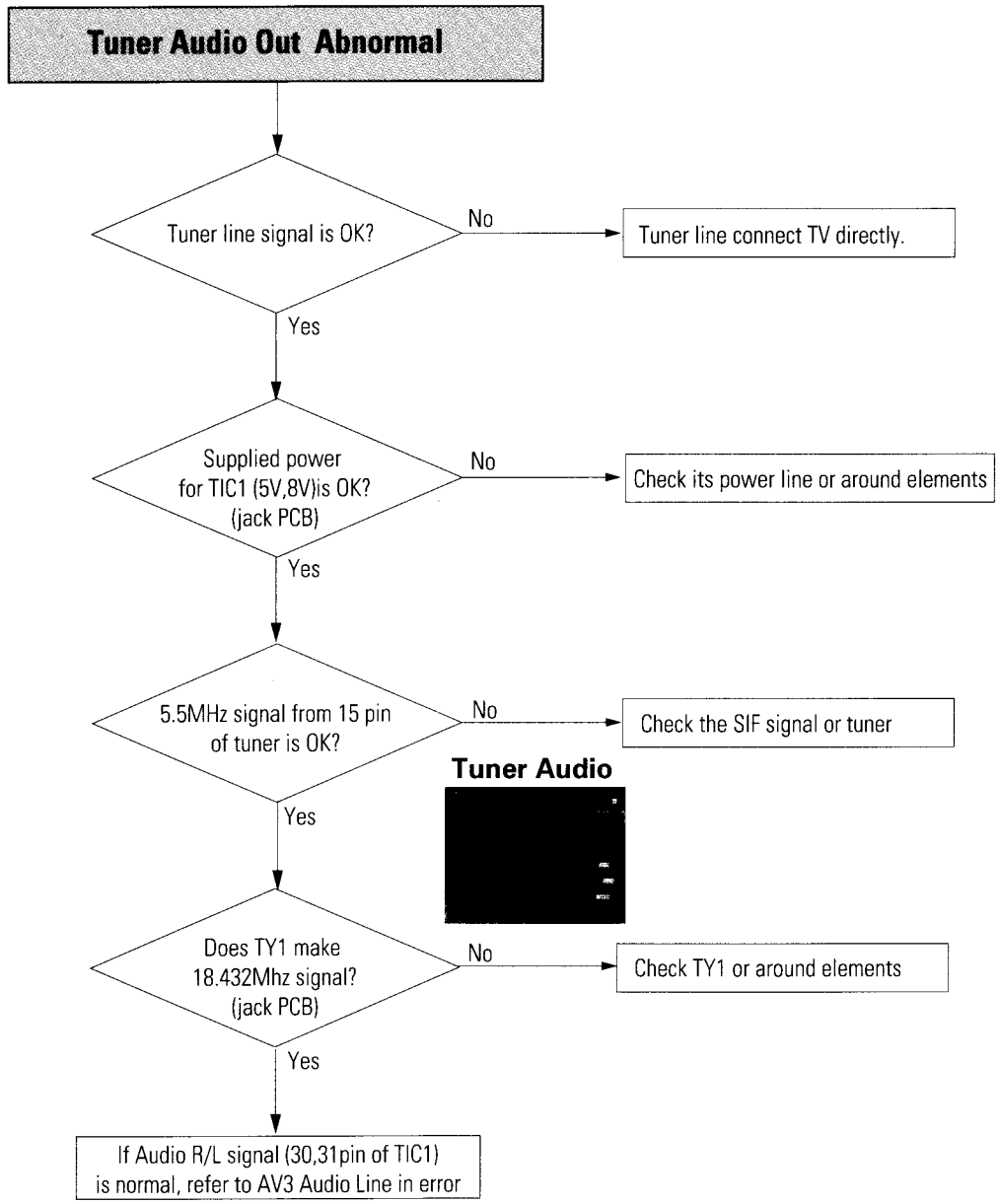

There's no Digital Audio Out
Check Current Digital Audio Setting is PCM.
No
Check the A/V Receiver can Decode Current Bit-Steam
No
Set the Bitstream
Yes
Yes
Check Digital Audio data at DR1(MAIN PCB)
No
Replace MAIN PCB
Yes
ChecK Digital Audio data at pin 10 of CN4 (MAIN PCB)
No
Replace Main PCB
Yes
Check 5V AVJ5
No
Replace AVJ5
Yes
Check the Cable
AUDIO DATA

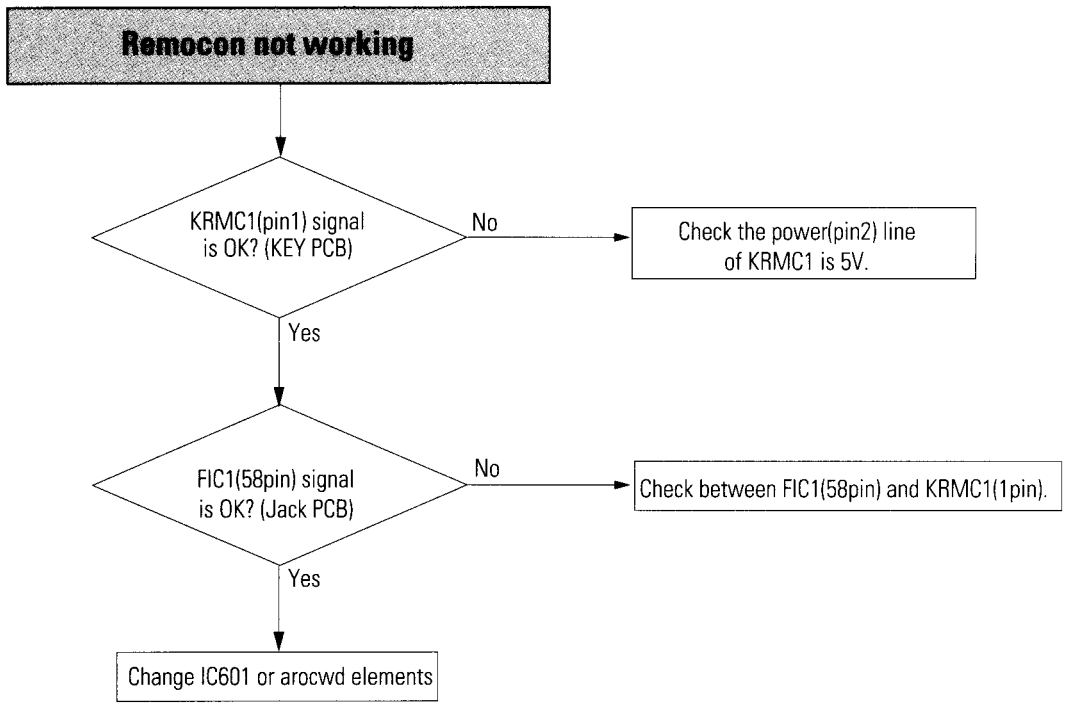

AV3 Audio Input is not Recording
Check the select signal pin9,10 of AIC51(JACK PCB)
No
Check pin 30, 36 of the Front Mrcom FIC1 (JACK PCB)
Yes
Check all the 12Vcc pin 16 of AIC51(JACK PCB).
No
Check SMPS
Yes
Check the 3.3V pin14 and 5V pin5 of AIC9 (MAIN PCB)
No
Replace Main PCB
Yes
Check Digital clock and data pin 10, 11, 12, 15 of AIC9(MAIN PCB)
No
Replace Main PCB
Yes
Check the passive parts around jack pin.
Digital clock(10)
Digital clock(11)
Digital clock(12)
Digital clock(15)


There is no Audio Output
Check he audio signal AR413 and AR473 (JACK PCB)
Yes
Check the passive parts around Audio Jack pin.
No
Check all the 5V pin8 of AIC1 (MAIN PCB)
No
Check SMPS
Yes
Check the audio signal pin7 pin8 of AIC1 (MAIN PCB)
No
Replace Main PCB
Yes
Check digital clock and data pin1, 2, 3, 16 of AIC1 (MAIN PCB)
No
Replace MAIN PCB
AUDIO DATA
Yes
Check connection between Main connector (CN1, CN2) and Jack connector (CN3, CN4)


Disc loading error
Are Main and deck power OK? (5v, 12v)
No
Check he power
Yes
Is the 40pin FFC cable(betweenmain & deck) inserted correctly?
No
Reinsert FFC cable correctly
Yes
Is the wavefrom of DIC3 pin26 normal? (MAIN PCB)
No
Change the Main board
Yes
DIC3-Pin26
Change the deck


Tuner Video Out Abnormal
Tuner input line signal is OK? (Jack PCB)
No
Tuner line connect TV directly
Yes
Tuner Video
Supplied power for tuner is OK? pin1, 3 : 5V pin16 : 33V
No
Check SMPS (AL5.8V and 33V)
Yes
I2C signal pic11, 12 of tuner is OK?
No
Check between pin 11, 12 of tuner and FIC1.
Yes
Video output signal of Tuner is OK? (jack PCB)
No
Replace TM (tuner) block.
Yes
Refer to AV3 Video line error


Tuner Audio Out Abnormal
Tuner line signal is OK?
No
Tuner line connect TV directly.
Yes
Supplied power for TIC1 (5V,8V)is OK? (jack PCB)
No
Check its power line or around elements
Yes
5.5MHz signal from 15 pin of tuner is OK?
No
Check the SIF signal or tuner
Yes
Tuner Audio
Does TY1 make 18.432Mhz signal? (jack PCB)
No
Check TY1 or around elements
Yes
If Audio R/L signal (30,31pin of TIC1) is normal, refer to AV3 Audio Line in error

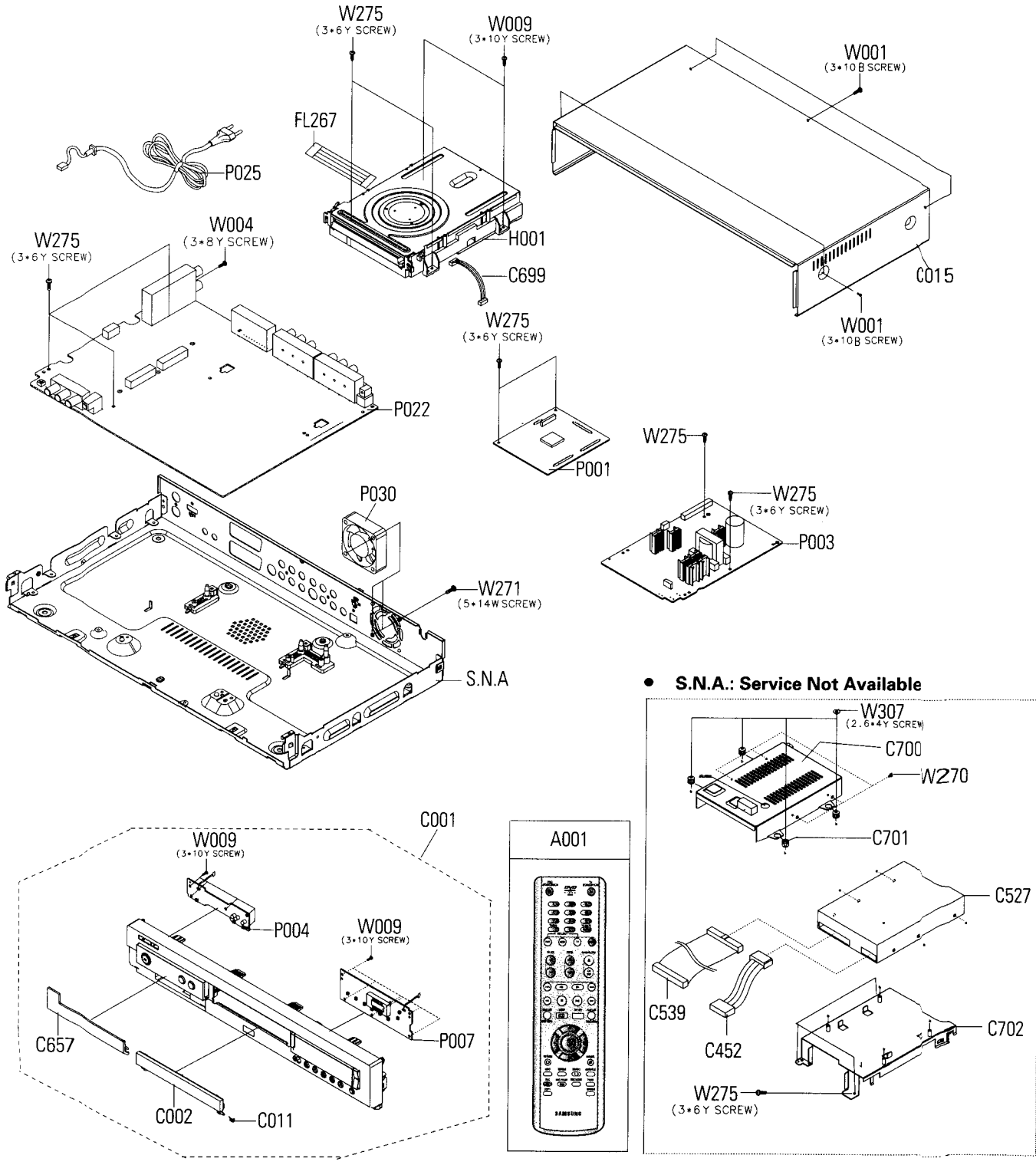

Remocon not working
KRMC1(pin1) signal is OK? (KEY PCB)
No
Check the power(pin2) line of KRMC1 is 5V.
Yes
FIC1(58pin) signal is OK? (Jack PCB)
No
Check between FIC1(58pin) and KRMC1(1pin).
Yes
Change IC601 or arocwd elements

MEMO

6. Exploded View and Parts List

6-1 Cabinet Assembly - - -

6-1 Cabinet Assembly



Loc. No	Parts No.	Description ; Specification	Q'ty	S.N.A	Remark
A001	AK59-00023M	REMOCON-ASSY;DVD-HR720/XEL,XEL,210*55*21	1	SA	
C001	AK97-01270S	ASSY CABINET-FRONT;ASSY,DVD-HR721/XEF,HI	1	SA	
C002	AK64-01264A	DOOR-TRAY;DVD-HR720,HIPS V2,T2.5,H25,W15	1	SA	
C011	AK61-00137A	SPRING ETC-DOOR;DVD-R4000,COIL,,,,,PI0.	1	SA	
C015	AK64-01263B	CABINET-TOP;DVD-HR720,PCM,T0.625,W427.8,	1	SA	
C452	AK39-00050A	LEAD CONNECTOR;LEAD CONNECTOR ASS,UL 100	1	SA	
C527	AK59-00043A	HDD;160G,SV1604E/0MD,512/SECTOR,4,	1	SA	
C539	AK39-00051A	WIRE HARNESS;CABLE ASS,2651#28 40COR,-,4	1	SA	
C657	AK64-01265M	DOOR-JACK;DVD-HR720,ABS HB,T2.5,H18,W66,	1	SA	
C699	AK39-00044A	LEAD CONNECTOR-ASSY;HS-030925-01,UL1007	1	SA	
C700	AK61-00336A	BRACKET-HDD/COVER;DVD-HR800,SECC US,T0.8	1	SA	
C701	AK73-00028A	RUBBER-HDD;DVD-HR800/XAA,BUTHYL 40Hs,10*	4	SA	
C702	AK61-00463A	BRACKET-HDD BOTTOM;DVD-HR720,SECC,T0.8,W	1	SA	
FL267	3809-001673	FFC CABLE-FLAT;30V,80C,145mm,40P,0.5mm,U	1	SA	
H001	AK97-01211A	ASSY-ASSY LOADER DRIVE;-,SV-R250,ASSY LO	1	SA	
P001	AK92-00659A	ASSY PCB-MAIN;DVD-HR720 PAL,-	1	SA	
P003	AK92-00654A	ASSY PCB-SMPS;DVD-HR720,DVD-HR720 SMPS	1	SA	
P004	AK92-00662B	ASSY PCB-KEY;DVD-HR720 PAL,LEFT	1	SA	
P007	AK92-00662A	ASSY PCB-KEY;DVD-HR720 PAL,RIGHT	1	SA	
P022	AK92-00652B	ASSY PCB-JACK;DVD-HR720/725 PAL,-	1	SA	DVD-HR721/XEC
	AK92-00652B	ASSY PCB-JACK;DVD-HR720/725 PAL,-	1	SA	DVD-HR721/XET
	AK92-00652B	ASSY PCB-JACK;DVD-HR720/725 PAL,-	1	SA	DVD-HR721/XEG
	AK92-00652B	ASSY PCB-JACK;DVD-HR720/725 PAL,-	1	SA	DVD-HR721/XEN
	AK92-00652B	ASSY PCB-JACK;DVD-HR720/725 PAL,-	1	SA	DVD-HR721/XEE
	AK92-00652B	ASSY PCB-JACK;DVD-HR720/725 PAL,-	1	SA	DVD-HR721/XEO
	AK92-00652B	ASSY PCB-JACK;DVD-HR720/725 PAL,-	1	SA	DVD-HR721/EUR
	AK92-00652A	ASSY PCB-FR;DVD-HR720E/XEF,JACK PCB	1	SA	DVD-HR721/XEF
	AK92-00652A	ASSY PCB-FR;DVD-HR720E/XEF,JACK PCB	1	SA	DVD-HR721/XEB
	AK92-00652A	ASSY PCB-FR;DVD-HR720E/XEF,JACK PCB	1	SA	DVD-HR721/SED
P025	AC39-10019A	CBF-POWER CORD;KKP-419C,H03VVH2-F,VDE/KE	1	SA	
P030	3103-001154	FAN-DC;DC 12.0V,110mA,2000rpm,0.388m^	1	SA	
W001	6003-000275	SCREW-TAPTITE;BH,+,B,M3,L10,BLK ,SWCH101	5	SA	
W004	6003-000283	SCREW-TAPTITE;BH,+,B,M3,L8,ZPC(YEL),SWRC	1	SA	
W009	6003-000276	SCREW-TAPTITE;BH,+,B,M3,L10,ZPC(YEL),SWC	13	SA	
W270	6001-000742	SCREW-MACHINE;PH,+,UNC6-32,L4.2,ZPC(WHT)	4	SA	
W271	6009-001411	SCREW-SPECIAL;TH,+,-,M5,L14,NI PLT,SWRCH	2	SA	
W275	6003-001561	SCREW-TAPTITE;BH,+,-,B,M3,L6,ZPC(YEL),SW	12	SA	
W307	6001-001868	SCREW-MACHINE;PWH,+,-,M2.6,L4,ZPC(YEL),S	4	SA	

MEMO

7. Electrical Parts List

Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
P001	**AK92-00659A**	**ASSY PCB-MAIN;DVD-HR720 PAL,-**	**1**	**SA**	
AC1	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
AC101	2203-000491	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1608,-	1	SA	
AC104	2402-000204	C-AL,SMD;10UF,20%,16V,WT,TP,4.3X4.3X5.4	1	SA	
AC105	2203-000491	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1608,-	1	SA	
AC2	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
AC3	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
AC4	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
AC5	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
AC6	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
AC7	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
AC816	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	1	SA	
AC818	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	1	SA	
AC820	2203-000783	C-CER,CHIP;0.33NF,5%,50V,C0G,TP,1608	1	SA	
AC821	2203-001554	C-CER,CHIP;1.8nF,10%,50V,X7R,TP,1608	1	SA	
AC822	2402-001011	C-AL,SMD;22uF,20%,16V,GP,TP,5.3x5.3x5.4	1	SA	
AC823	2203-000783	C-CER,CHIP;0.33NF,5%,50V,C0G,TP,1608	1	SA	
AC824	2203-001554	C-CER,CHIP;1.8nF,10%,50V,X7R,TP,1608	1	SA	
AC831	2402-001011	C-AL,SMD;22uF,20%,16V,GP,TP,5.3x5.3x5.4	1	SA	
AC891	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
AC892	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
AC908	2203-000491	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1608,-	1	SA	
AC912	2203-000491	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1608,-	1	SA	
AC913	2402-001011	C-AL,SMD;22uF,20%,16V,GP,TP,5.3x5.3x5.4	1	SA	
AC914	2203-000491	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1608,-	1	SA	
AC915	2402-000204	C-AL,SMD;10UF,20%,16V,WT,TP,4.3X4.3X5.4	1	SA	
AC917	2402-000204	C-AL,SMD;10UF,20%,16V,WT,TP,4.3X4.3X5.4	1	SA	
ADR001	2007-000033	R-CHIP;0ohm,5%,1/4W,TP,3216	1	SA	
AE1	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.	1	SA	
AE2	2402-000202	C-AL,SMD;100uF,20%,10V,WT,TP,6.6x6.6x5.	1	SA	
AE3	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.	1	SA	
AIC1	1002-001294	IC-D/A CONVERTER;PCM1742KE,24BIT,TSSOP,1	1	SA	
AIC2	1203-003180	IC-POSI.FIXED REG.;MM1565,SOP,7P,5x4.4mm	1	SA	
AIC3	1203-002178	IC-POSI.FIXED REG.;1563,SOP,7P,173MIL,PL	1	SA	
AIC81	1201-000163	IC-OP AMP;4560,SOP,8P,173MIL,DUAL,100V/m	1	SA	
AIC82	1201-000163	IC-OP AMP;4560,SOP,8P,173MIL,DUAL,100V/m	1	SA	
AIC9	1002-001387	IC-A/D CONVERTER;PCM1802,24BIT,SSOP,20P,	1	SA	
AR1	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
AR10	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA	
AR11	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA	
AR12	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA	
AR13	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA	
AR14	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA	
AR15	2007-000120	R-CHIP;680ohm,5%,1/10W,TP,1608	1	SA	
AR16	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
AR17	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
AR19	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
AR2	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
AR20	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
AR21	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA	
AR22	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA	
AR23	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
AR24	2007-000115	R-CHIP;82ohm,5%,1/10W,TP,1608	1	SA	
AR25	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
AR26	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA	
AR27	2007-000120	R-CHIP;680ohm,5%,1/10W,TP,1608	1	SA	
AR28	2007-000115	R-CHIP;82ohm,5%,1/10W,TP,1608	1	SA	
AR29	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA	
AR3	2007-000115	R-CHIP;82ohm,5%,1/10W,TP,1608	1	SA	
AR30	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA	
AR31	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA	
AR32	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA	
AR33	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA	
AR34	2007-000115	R-CHIP;82ohm,5%,1/10W,TP,1608	1	SA	
AR4	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA	
AR5	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA	
AR51	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
AR52	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
AR6	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
AR7	2007-000115	R-CHIP;82ohm,5%,1/10W,TP,1608	1	SA	
AR8	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA	
AR801	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
AR802	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
AR803	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
AR804	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	SA	
AR805	2007-000122	R-CHIP;1.2Kohm,5%,1/10W,TP,1608	1	SA	
AR806	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
AR807	2007-000122	R-CHIP;1.2Kohm,5%,1/10W,TP,1608	1	SA	
AR808	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	SA	
AR809	2007-000080	R-CHIP;2Kohm,5%,1/10W,TP,1608	1	SA	
AR811	2007-000080	R-CHIP;2Kohm,5%,1/10W,TP,1608	1	SA	
AR812	2007-000080	R-CHIP;2Kohm,5%,1/10W,TP,1608	1	SA	
AR813	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
AR814	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
AR881	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	SA	
AR882	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	SA	
AR894	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	SA	
AR895	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	SA	
AR9	2007-000115	R-CHIP;82ohm,5%,1/10W,TP,1608	1	SA	
ATAR1	2011-000475	R-NET;330HM,5%,1/16W,L,CHIP,8P,TP,32	1	SA	
ATAR2	2011-000475	R-NET;330HM,5%,1/16W,L,CHIP,8P,TP,32	1	SA	
ATAR3	2011-000475	R-NET;330HM,5%,1/16W,L,CHIP,8P,TP,32	1	SA	
ATAR4	2011-000475	R-NET;330HM,5%,1/16W,L,CHIP,8P,TP,32	1	SA	
ATAR5	2011-000475	R-NET;330HM,5%,1/16W,L,CHIP,8P,TP,32	1	SA	
ATAR6	2011-000475	R-NET;330HM,5%,1/16W,L,CHIP,8P,TP,32	1	SA	
ATAR7	2011-000475	R-NET;330HM,5%,1/16W,L,CHIP,8P,TP,32	1	SA	
ATAR8	2011-000475	R-NET;330HM,5%,1/16W,L,CHIP,8P,TP,32	1	SA	
ATCN1	3708-001935	CONNECTOR-FPC/FFC/PIC;40P,0.5mm,SMD-S,Sn	1	SA	
ATCN3	3711-005638	HEADER-BOARD TO CABLE;BOX,40P,2R,2.54mm,	1	SA	
C1	2203-000746	C-CER,CHIP;0.03NF,5%,50V,C0G,TP,1608	1	SA	
C10	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
C11	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	

Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
C12	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
C123	2402-001237	C-AL,SMD;330uF,°æ20%,6.3V,-,REEL,6.3X7.	1	SA	
C124	2402-001237	C-AL,SMD;330uF,°æ20%,6.3V,-,REEL,6.3X7.	1	SA	
C125	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
C126	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
C127	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
C128	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
C129	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
C13	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
C130	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
C140	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
C141	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
C142	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
C143	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
C144	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
C145	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
C146	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
C147	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
C150	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
C166	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	1	SA	
C167	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
C168	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
C169	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
C171	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
C173	2402-000204	C-AL,SMD;10UF,20%,16V,WT,TP,4.3X4.3X5.4	1	SA	
C174	2402-001237	C-AL,SMD;330uF,°æ20%,6.3V,-,REEL,6.3X7.	1	SA	
C177	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
C178	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	1	SA	
C179	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
C183	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
C184	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
C185	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
C2	2203-000746	C-CER,CHIP;0.03NF,5%,50V,C0G,TP,1608	1	SA	
C214	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	1	SA	
C215	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
C217	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
C218	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
C219	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	1	SA	
C220	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
C222	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
C223	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
C224	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
C227	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
C228	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
C230	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
C231	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
C232	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
C3	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
C4	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
C5	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
C6	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
C7	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
C8	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
C9	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
CA1	2402-001237	C-AL,SMD;330uF,°æ20%,6.3V,-,REEL,6.3X7.	1	SA	
CA2	2402-001237	C-AL,SMD;330uF,°æ20%,6.3V,-,REEL,6.3X7.	1	SA	
CC1	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
CN1	3710-002075	CONNECTOR-SOCKET;30P,2R,2MM,SMD,SnPb,BLK	1	SA	
CN2	3710-002075	CONNECTOR-SOCKET;30P,2R,2MM,SMD,SnPb,BLK	1	SA	
CN3	3711-005595	CONNECTOR-SOCKET;12P,2R,2MM,SMD-S,-,BLK	1	SA	
CR1	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	1	SA	
CR2	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	1	SA	
CR3	2007-000083	R-CHIP;3Kohm,5%,1/10W,TP,1608	1	SA	
CR4	2007-001157	R-CHIP;750ohm,5%,1/10W,TP,1608	1	SA	
CR5	2007-001157	R-CHIP;750ohm,5%,1/10W,TP,1608	1	SA	
CR6	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	1	SA	
CR7	2007-001157	R-CHIP,750ohm,5%,1/10W,TP,1608	1	SA	
DC1	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
DC10	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
DC100	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
DC11	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
DC12	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
DC13	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
DC14	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
DC15	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
DC16	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
DC17	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
DC18	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
DC19	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
DC2	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
DC20	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
DC22	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
DC23	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
DC24	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
DC25	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
DC26	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
DC27	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
DC28	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
DC29	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
DC3	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
DC30	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
DC31	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
DC32	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
DC33	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
DC34	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
DC35	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
DC36	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
DC37	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
DC38	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
DC39	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
DC4	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
DC5	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
DC6	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
DC7	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
DC8	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
DC9	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
DE1	2402-001237	C-AL,SMD;330uF,°æ20%,6.3V,-,REEL,6.3X7.	1	SA	
DE3	2402-000204	C-AL,SMD;10UF,20%,16V,WT,TP,4.3X4.3X5.4	1	SA	
DE4	2402-001237	C-AL,SMD;330uF,°æ20%,6.3V,-,REEL,6.3X7.	1	SA	
DE6	2402-001237	C-AL,SMD;330uF,°æ20%,6.3V,-,REEL,6.3X7.	1	SA	

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Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
DIC2	0801-002522	IC-CMOS LOGIC;74VHC541,BUFFER/LINE DRIVE	1	SA	
DIC3	1107-001588	IC-FLASH MEMORY;S29GL032M,32Mbit,4Mx8/2M	1	SNA	
DIC6	0802-001115	IC-CMOS LOGIC;74ALVCH16373,D LATCH,TSSOP	1	SA	
DIC7	0801-002587	IC-CMOS LOGIC;74LVX541,8BIT BUFFER/DRIVE	1	SA	
DIC8	1103-001134	IC-EEPROM;24C040,512x8,SOP,8P,5.13x3.95m	1	SA	
DNR1	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,32	1	SA	
DNR2	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,32	1	SA	
DNR3	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,32	1	SA	
DNR4	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,32	1	SA	
DR1	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
DR100	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
DR112	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
DR113	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
DR12	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
DR13	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
DR14	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
DR15	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
DR16	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
DR17	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
DR2	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
DR21	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
DR22	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
DR28	2007-008199	R-CHIP;1.18Kohm,1%,1/10W,TP,1608	1	SA	
DR3	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
DR31	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
DR37	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
DR4	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
DR45	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
DR46	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
DR47	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
DR56	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
DR57	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
DR58	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
DR59	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
DR6	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
DR60	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
DR61	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
DR64	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
DR65	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
DR66	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA	
DR67	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
DR68	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
DR69	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
DR7	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
DR71	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
DR74	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
DR8	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
DR84	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
DR85	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
DR86	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
DR87	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
DR9	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
DRA01	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
DRA02	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
DRA03	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
DRA04	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
FB23	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	1	SA	
HDR1	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
HDR2	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
IC1	1205-002510	IC-CODEC;DMN-8652,BGA,388P,35x35mm,PLAS	1	SA	
IRR1	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
PC1	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
PC10	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
PC11	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	1	SA	
PC12	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
PC13	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
PC14	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	1	SA	
PC15	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
PC16	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	1	SA	
PC17	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
PC18	2203-001607	C-CER,CHIP;0.22nF,5%,50V,NP0,-,1608	1	SA	
PC19	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
PC20	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
PC3	2203-000384	C-CER,CHIP;0.015NF,5%,50V,COG,TP,1608	1	SA	
PC4	2203-000384	C-CER,CHIP;0.015NF,5%,50V,COG,TP,1608	1	SA	
PC5	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	1	SA	
PC6	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
PC7	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	1	SA	
PC8	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
PC9	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	1	SA	
PE1	2402-000007	C-AL,SMD;22uF,20%,6.3V,GP,TP,4.3x4.3x5.	1	SA	
PE3	2402-000204	C-AL,SMD;10UF,20%,16V,WT,TP,4.3X4.3X5.4	1	SA	
PE4	2402-000204	C-AL,SMD;10UF,20%,16V,WT,TP,4.3X4.3X5.4	1	SA	
PE5	2402-000170	C-AL,SMD;1uF,20%,50V,GP,TP,4.3x4.3x5.4,	1	SA	
PHC1	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
PIC1	1205-001988	IC-DATA COMM./GEN.;TSB41AB1-PAP,QFP,64P,	1	SA	
PL2	3301-000353	BEAD-SMD;120ohm,2x1.25x0.9mm,-,TP,-,-,-	1	SA	
PR1	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA	
PR10	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
PR12	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA	
PR13	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA	
PR14	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA	
PR15	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA	
PR16	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA	
PR17	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA	
PR18	2007-000965	R-CHIP;5.1Kohm,5%,1/10W,TP,1608	1	SA	
PR19	2007-001044	R-CHIP;56ohm,5%,1/10W,TP,1608	1	SA	
PR2	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA	
PR20	2007-001044	R-CHIP;56ohm,5%,1/10W,TP,1608	1	SA	
PR21	2007-001044	R-CHIP;56ohm,5%,1/10W,TP,1608	1	SA	
PR22	2007-001044	R-CHIP;56ohm,5%,1/10W,TP,1608	1	SA	
PR23	2007-001056	R-CHIP;6.2Kohm,5%,1/10W,TP,1608	1	SA	
PR24	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
PR4	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
PR5	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
PR60	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
PR9	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
PRA1	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,32	1	SA	
PRA2	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,32	1	SA	
PY1	2801-004021	CRYSTAL-SMD;24.576MHz,20ppm,28-AAN,12pF,	1	SA	

Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
R1	2007-001014	R-CHIP;51OHM,5%,1/10W,TP,1608	1	SA	
R213	2007-001044	R-CHIP;56ohm,5%,1/10W,TP,1608	1	SA	
R214	2007-001044	R-CHIP;56ohm,5%,1/10W,TP,1608	1	SA	
R215	2007-001044	R-CHIP;56ohm,5%,1/10W,TP,1608	1	SA	
R216	2007-001044	R-CHIP;56ohm,5%,1/10W,TP,1608	1	SA	
R217	2007-001044	R-CHIP;56ohm,5%,1/10W,TP,1608	1	SA	
R218	2007-001044	R-CHIP;56ohm,5%,1/10W,TP,1608	1	SA	
R219	2007-001044	R-CHIP;56ohm,5%,1/10W,TP,1608	1	SA	
R220	2007-001044	R-CHIP;56ohm,5%,1/10W,TP,1608	1	SA	
R221	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
R222	2007-001014	R-CHIP;51OHM,5%,1/10W,TP,1608	1	SA	
R223	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
R224	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
R225	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
R226	2007-001014	R-CHIP;51OHM,5%,1/10W,TP,1608	1	SA	
R227	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
R228	2007-001014	R-CHIP;51OHM,5%,1/10W,TP,1608	1	SA	
R229	2007-001044	R-CHIP;56ohm,5%,1/10W,TP,1608	1	SA	
R230	2007-001044	R-CHIP;56ohm,5%,1/10W,TP,1608	1	SA	
R232	2007-001044	R-CHIP;56ohm,5%,1/10W,TP,1608	1	SA	
R234	2007-001044	R-CHIP;56ohm,5%,1/10W,TP,1608	1	SA	
R237	2007-001044	R-CHIP;56ohm,5%,1/10W,TP,1608	1	SA	
R238	2007-001044	R-CHIP;56ohm,5%,1/10W,TP,1608	1	SA	
R239	2007-001044	R-CHIP;56ohm,5%,1/10W,TP,1608	1	SA	
R240	2007-001044	R-CHIP;56ohm,5%,1/10W,TP,1608	1	SA	
R241	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
R242	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
R243	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
R246	2007-001044	R-CHIP;56ohm,5%,1/10W,TP,1608	1	SA	
R247	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
R248	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
R411	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
R67	2007-001014	R-CHIP;51OHM,5%,1/10W,TP,1608	1	SA	
R68	2007-001014	R-CHIP;51OHM,5%,1/10W,TP,1608	1	SA	
R69	2007-001014	R-CHIP;51OHM,5%,1/10W,TP,1608	1	SA	
R70	2007-001014	R-CHIP;51OHM,5%,1/10W,TP,1608	1	SA	
RC1	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
RC2	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
RC3	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
RC4	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
RC5	2203-001683	C-CER,CHIP;0.068nF,5%,50V,NP0,TP,1608	1	SA	
RE1	2402-001237	C-AL,SMD;330uF,°æ20%,6.3V,-,REEL,6.3X7.	1	SA	
RE2	2402-001237	C-AL,SMD;330uF,°æ20%,6.3V,-,REEL,6.3X7.	1	SA	
RE3	2402-001237	C-AL,SMD;330uF,°æ20%,6.3V,-,REEL,6.3X7.	1	SA	
RE4	2402-001237	C-AL,SMD;330uF,°æ20%,6.3V,-,REEL,6.3X7.	1	SA	
RIC1	1203-003182	IC-POSI.FIXED REG.;LP3965,TO-263,5P,10.1	1	SA	
RIC2	1203-002612	IC-POSI.ADJUST REG.;3966,TO-263,5P,10.16	1	SA	
RL4	2007-003033	R-CHIP;0ohm,5%,1/4W,TP,3216	1	SA	
RP1	2011-000686	R-NET;56OHM,5%,1/16W,L,CHIP,8P,TP	1	SA	
RP10	2011-000686	R-NET;56OHM,5%,1/16W,L,CHIP,8P,TP	1	SA	
RP12	2011-000686	R-NET;56OHM,5%,1/16W,L,CHIP,8P,TP	1	SA	
RP14	2011-000686	R-NET;56OHM,5%,1/16W,L,CHIP,8P,TP	1	SA	
RP15	2011-000686	R-NET;56OHM,5%,1/16W,L,CHIP,8P,TP	1	SA	
RP17	2011-000686	R-NET;56OHM,5%,1/16W,L,CHIP,8P,TP	1	SA	
RP18	2011-000686	R-NET;56OHM,5%,1/16W,L,CHIP,8P,TP	1	SA	
RP19	2011-000686	R-NET;56OHM,5%,1/16W,L,CHIP,8P,TP	1	SA	
RP20	2011-000686	R-NET;56OHM,5%,1/16W,L,CHIP,8P,TP	1	SA	
RP21	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,32	1	SA	
RP22	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,32	1	SA	
RP23	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,32	1	SA	
RP24	2011-000002	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,32	1	SA	
RP25	2011-001194	R-NET;51ohm,5%,1/16W,L,CHIP,8P,TP	1	SA	
RP26	2011-001194	R-NET;51ohm,5%,1/16W,L,CHIP,8P,TP	1	SA	
RP27	2011-001194	R-NET;51ohm,5%,1/16W,L,CHIP,8P,TP	1	SA	
RP28	2011-001194	R-NET;51ohm,5%,1/16W,L,CHIP,8P,TP	1	SA	
RP29	2011-001194	R-NET;51ohm,5%,1/16W,L,CHIP,8P,TP	1	SA	
RP3	2011-000686	R-NET;56OHM,5%,1/16W,L,CHIP,8P,TP	1	SA	
RP30	2011-001194	R-NET;51ohm,5%,1/16W,L,CHIP,8P,TP	1	SA	
RP31	2011-001194	R-NET;51ohm,5%,1/16W,L,CHIP,8P,TP	1	SA	
RP34	2011-001194	R-NET;51ohm,5%,1/16W,L,CHIP,8P,TP	1	SA	
RP5	2011-000686	R-NET;56OHM,5%,1/16W,L,CHIP,8P,TP	1	SA	
RP7	2011-000686	R-NET;56OHM,5%,1/16W,L,CHIP,8P,TP	1	SA	
RR3	2007-000965	R-CHIP;5.1Kohm,5%,1/10W,TP,1608	1	SA	
RR4	2007-000300	R-CHIP;10Kohm,5%,1/8W,TP,2012	1	SA	
TC1	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
TC11	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
TC12	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
TC14	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
TC17	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
TC2	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
TC20	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
TC21	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
TC24	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2012	1	SA	
TC25	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
TC31	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
TC34	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
TC38	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
TC4	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
TC41	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
TC48	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
TC5	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
TC55	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
TC61	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
TC67	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
TC74	2203-000646	C-CER,CHIP;0.024NF,5%,50V,C0G,TP,1608	1	SA	
TC75	2203-000646	C-CER,CHIP;0.024NF,5%,50V,C0G,TP,1608	1	SA	
TC76	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
TC78	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
TC8	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
TC90	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
TC91	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
TC92	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
TE2	2402-000204	C-AL,SMD;10UF,20%,16V,WT,TP,4.3X4.3X5.4	1	SA	
TE3	2402-000204	C-AL,SMD;10UF,20%,16V,WT,TP,4.3X4.3X5.4	1	SA	
TE4	2402-000204	C-AL,SMD;10UF,20%,16V,WT,TP,4.3X4.3X5.4	1	SA	
TE5	2402-000204	C-AL,SMD;10UF,20%,16V,WT,TP,4.3X4.3X5.4	1	SA	
TIC1	1204-002235	IC-PAL/NTSC DECODER;TVP5146PFP,PQFP,80P,	1	SA	
TIC2	1203-002577	IC-POSI.FIXED REG.;MM1561J,SOP,7P,173MIL	1	SA	
TNR50	2011-000475	R-NET;33OHM,5%,1/16W,L,CHIP,8P,TP,32	1	SA	
TNR54	2011-000475	R-NET;33OHM,5%,1/16W,L,CHIP,8P,TP,32	1	SA	

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TNR60	2011-000515	R-NET;4.7Kohm,5%,1/16W,L,CHIP,8P,TP,	1	SA	
TNR66	2011-000515	R-NET;4.7Kohm,5%,1/16W,L,CHIP,8P,TP,	1	SA	
TR28	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
TR29	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
TR30	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
TR33	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
TR34	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA	
TR36	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
TR37	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
TR40	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA	
TR43	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA	
TR44	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA	
TR69	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
TR70	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
TR711	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
TR72	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
TR73	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA	
TR74	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	SA	
TR75	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
TX1	2801-004183	CRYSTAL-SMD;14.31818MHZ,30PPM,28-AAN,16P	1	SA	
U23	1105-001530	IC-DRAM;K4H561638,16Mx16Bit,TSOPII,66P	1	SA	
U24	1105-001530	IC-DRAM;K4H561638,16Mx16Bit,TSOPII,66P	1	SA	
U25	1203-003038	IC-POSI.ADJUST REG.;LP2995,SO,8P,4.9x3.9	1	SA	
U34	0401-000008	DIODE-SWITCHING;DAN217,80V,100MA,SOT-23,	1	SA	
Y1	2801-004182	CRYSTAL-SMD;13.5MHZ,10PPM,28-AAN,24PF,60	1	SA	
P003	**AK92-00654A**	**ASSY PCB-SMPS;DVD-HR720,DVD-HR720 SMPS**	**1**	**SA**	
DINR1	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	1	SA	
FANCON	3711-003942	HEADER-BOARD TO CABLE;BOX,2P,1R,2mm,STRA	1	SA	
FCON1	3708-001802	CONNECTOR-FPC/FFC/PIC;10P,1.25MM,STRAIGH	1	SA	
PACT1	2301-001719	C-FILM,LEAD;100nF,10%,275V,TP,17.5*6*12m	1	SA	
PACT2	2301-001719	C-FILM,LEAD;100nF,10%,275V,TP,17.5*6*12m	1	SA	
PADT1	0402-000550	DIODE-BRIDGE;D2SBA60,600V,1.5A,-	1	SC	
PAFT1	3601-000237	FUSE-CARTRIDGE;250V,2A,SLOW-BLOW,CERAMIC	1	SA	
PALT1	AC29-30050C	FILTER LINE NOISE;-,25MH,0.35A,AC250V,BS	1	SA	
PALT2	AC29-00002A	FILTER LINE NOISE;-,30mH,-,-,BLF-2116	1	SA	
PAVV1	1405-000186	VARISTOR;470V,2500A,17.5x7.5mm,TP	1	SA	
PAVV2	1405-001026	VARISTOR;470V,600A,9x7mm,TP	1	SA	
PAWT1	3711-000203	HEADER-BOARD TO CABLE;1WALL,2P/3P,1R,7.9	1	SA	
PBBU1	3301-000297	BEAD-AXIAL;25ohm,3.6x1.2x5.7mm,-,TP,-,-	1	SA	
PBCU1	2201-002044	C-CERAMIC,DISC;0.1NF,10%,400V,Y5P,TP,8.5	1	SA	
PBCU2	2201-002044	C-CERAMIC,DISC;0.1NF,10%,400V,Y5P,TP,8.5	1	SA	
PBCU3	2201-000987	C-CERAMIC,DISC;2.2NF,20%,400V,Y5U,BK,12.	1	SA	
PBIZ1	0604-001028	PHOTO-COUPLER;TR,50-600%,250mW,DIP-4,ST	1	SA	
PBIZ2	0604-001028	PHOTO-COUPLER;TR,50-600%,250mW,DIP-4,ST	1	SA	
PCN1	3710-002036	SOCKET-BOARD TO BOARD;12P,1R,2.5mm,STRAI	1	SA	
PCN2	3710-002036	SOCKET-BOARD TO BOARD;12P,1R,2.5mm,STRAI	1	SA	
PCNS5	3711-004379	HEADER-BOARD TO CABLE;BOX,4P,1R,2MM,STRA	1	SA	
PCNS6	3711-000240	HEADER-BOARD TO CABLE;1WALL,4P,1R,3.96MM	1	SA	
PDCZ1	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	1	SA	
PDCZ2	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	1	SA	
PDDZ1	0401-000101	DIODE-SWITCHING;1N4148,75V,150mA,DO-35,T	1	SA	
PDDZ2	0401-000101	DIODE-SWITCHING;1N4148,75V,150mA,DO-35,T	1	SA	
PDDZ5	0401-000101	DIODE-SWITCHING;1N4148,75V,150mA,DO-35,T	1	SA	

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PDRZ1	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	1	SA	
PDRZ2	2001-000598	R-CARBON;3.3OHM,5%,1/8W,AA,TP,1.8X3.2MM	1	SA	
PDRZ3	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	1	SA	
PDRZ4	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	1	SA	
PDRZ5	2001-000598	R-CARBON;3.3OHM,5%,1/8W,AA,TP,1.8X3.2MM	1	SA	
PDRZ6	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	1	SA	
PFCD1	2307-000103	C-FILM,LEAD-PCF;100nF,5%,50V,TP,-,5mm	1	SA	
PFCF1	2307-000103	C-FILM,LEAD-PCF;100nF,5%,50V,TP,-,5mm	1	SA	
PFCZ1	2307-000104	C-FILM,LEAD-PCF;10nF,5%,50V,TP,-,5mm	1	SA	
PFCZ2	2401-003122	C-AL;4.7uF,20%,50V,LL,TP,5X7,5	1	SA	
PFCZ3	2307-000104	C-FILM,LEAD-PCF;10nF,5%,50V,TP,-,5mm	1	SA	
PFCZ4	2401-003122	C-AL;4.7uF,20%,50V,LL,TP,5X7,5	1	SA	
PFID1	AC14-12006D	IC;KA431Z,TO-92,TAPING	1	SA	
PFIF1	AC14-12006D	IC;KA431Z,TO-92,TAPING	1	SA	
PFRD1	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	1	SA	
PFRD2	2001-000302	R-CARBON;10OHM,5%,1/8W,AA,TP,1.8X3.2MM	1	SA	
PFRD3	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	1	SA	
PFRD4	2004-000459	R-METAL;2.2Kohm,1%,1/8W,AA,TP,1.8x3.2m	1	SA	
PFRF1	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	1	SA	
PFRF11	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	1	SA	
PFRF2	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	1	SA	
PFRF3	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	1	SA	
PFRF5	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	1	SA	
PFRF6	2004-000459	R-METAL;2.2Kohm,1%,1/8W,AA,TP,1.8x3.2m	1	SA	
PFRF9	2003-000148	R-METAL OXIDE;100ohm,5%,2W,AE,TP,6x16mm	1	SC	
PFRI1	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	1	SA	
PFRI2	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	1	SA	
PFRJ1	2001-000006	R-CARBON;2.4KOHM,5%,1/8W,AA,TP,1.8X3.2M	1	SA	
PFRZ1	2001-000527	R-CARBON;22OHM,5%,1/8W,AA,TP,1.8X3.2MM	1	SA	
PFRZ2	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	1	SA	
PFRZ3	2001-000527	R-CARBON;22OHM,5%,1/8W,AA,TP,1.8X3.2MM	1	SA	
PFRZ4	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	1	SA	
PFZZ1	0403-001318	DIODE-ZENER;MTZJ4.3B,4.17-4.43V,500MW,DO	1	SA	
PFZZ2	0403-001318	DIODE-ZENER;MTZJ4.3B,4.17-4.43V,500MW,DO	1	SA	
PLRZ1	1404-001361	THERMISTOR-NTC;3ohm,4A,-,35mW/C,-,9,TP	1	SA	
PLRZ11	2003-002197	R-METAL OXIDE;0.47ohm,5%,2W,AF,TP,3.9x10	1	SA	
PLRZ2	2003-002197	R-METAL OXIDE;0.47ohm,5%,2W,AF,TP,3.9x10	1	SA	
PPCD1	2401-000677	C-AL;2200uF,20%,10V,GP,TP,10x20mm,5	1	SA	
PPCD2	2401-001353	C-AL;470uF,20%,10V,GP,TP,8x11.5,5	1	SA	
PPCD3	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	1	SA	
PPCF1	2401-000677	C-AL;2200uF,20%,10V,GP,TP,10x20mm,5	1	SA	
PPCF2	2401-000677	C-AL;2200uF,20%,10V,GP,TP,10x20mm,5	1	SA	
PPCF3	2401-003480	C-AL;1000UF,20%,10V,LZ,TP,10X16MM,5	1	SA	
PPCF4	2401-001353	C-AL;470uF,20%,10V,GP,TP,8x11.5,5	1	SA	
PPCF5	2401-003122	C-AL;4.7uF,20%,50V,LL,TP,5X7,5	1	SA	
PPCF6	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	1	SA	
PPCF8	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	1	SA	
PPCI2	2401-001126	C-AL;330uF,20%,25V,WT,TP,10x12.5,5	1	SA	
PPCI3	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	1	SA	
PPCI4	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	1	SA	
PPCI5	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	1	SA	
PPCI6	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	1	SA	
PPCI7	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	1	SA	
PPCJ1	2401-001126	C-AL;330uF,20%,25V,WT,TP,10x12.5,5	1	SA	
PPCO1	2401-000392	C-AL;10uF,20%,100V,WT,TP,6.3x11,2.5	1	SA	

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PPCO2	2401-000392	C-AL;10uF,20%,100V,WT,TP,6.3x11,2.5	1	SA	
PPDD1	0404-001225	DIODE-SCHOTTKY;SRAF560,60V,5000mA,ITO-22	1	SA	
PPDD2	0404-001225	DIODE-SCHOTTKY;SRAF560,60V,5000mA,ITO-22	1	SA	
PPDF1	0402-001587	DIODE-RECTIFIER;SFAF504G,200V,5A,TO-220A	1	SA	
PPDF2	0402-001587	DIODE-RECTIFIER;SFAF504G,200V,5A,TO-220A	1	SA	
PPDF3	0402-001587	DIODE-RECTIFIER;SFAF504G,200V,5A,TO-220A	1	SA	
PPDI2	0402-001194	DIODE-RECTIFIER;SHG2D,200V,2A,-,TP	1	SA	
PPDJ1	0402-001194	DIODE-RECTIFIER;SHG2D,200V,2A,-,TP	1	SA	
PPDO1	0402-000012	DIODE-RECTIFIER;UF4007,1KV,1A,DO-41,TP	1	SA	
PPDZ6	0402-000165	DIODE-RECTIFIER;1N5819,40V,1A,DO-41,TP	1	SA	
PPIF2	1203-001589	IC-POSI.FIXED REG.;278R05,TO-220F,4P,-,P	1	SA	
PPIF3	1203-003293	IC-POSI.FIXED REG.;G9205,TO-220F,4P,10.1	1	SA	
PPIF4	1203-003293	IC-POSI.FIXED REG.;G9205,TO-220F,4P,10.1	1	SA	
PPIF5	1203-003293	IC-POSI.FIXED REG.;G9205,TO-220F,4P,10.1	1	SA	
PPII1	AC14-12006N	IC-VOLT REGU;KA78R12,SIP,STICK	1	SA	
PPII2	1203-002183	IC-SWITCH VOL. REG.;278R12,TO-220F-4L,4P	1	SA	
PPII3	1203-002183	IC-SWITCH VOL. REG.;278R12,TO-220F-4L,4P	1	SA	
PPLD1	AH27-00039A	COIL CHOKE;DR CHOKE(8*6),DVD-R2000,22uH,	1	SA	
PPLF1	AH27-00039A	COIL CHOKE;DR CHOKE(8*6),DVD-R2000,22uH,	1	SA	
PPLF2	AH27-00039A	COIL CHOKE;DR CHOKE(8*6),DVD-R2000,22uH,	1	SA	
PPQD1	0505-001522	FET-SILICON;FQP33N10,N,100V,33A,52mhom,1	1	SA	
PPRD1	2003-000148	R-METAL OXIDE;100ohm,5%,2W,AE,TP,6x16mm	1	SC	
PPRD2	2003-000148	R-METAL OXIDE;100ohm,5%,2W,AE,TP,6x16mm	1	SC	
PPRI1	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	1	SA	
PPRO1	2001-000062	R-CARBON;470OHM,5%,1/4W,AA,TP,2.4X6.4MM	1	SA	
PPZO1	0403-000390	DIODE-ZENER;UZP33B,31.4-34.6V,1000MW,DO-	1	SA	
PQIZ1	1203-002805	IC-PWM CONTROLLER;ICE2BS01,PDIP,8P,9.52X	1	SA	
PQIZ2	1203-002805	IC-PWM CONTROLLER;ICE2BS01,PDIP,8P,9.52X	1	SA	
PQQX1	0505-001729	FET-SILICON;SPA04N60C3,N,600V,4.5A,0.85O	1	SA	
PQQX2	0505-001729	FET-SILICON;SPA04N60C3,N,600V,4.5A,0.85O	1	SA	
PQTZ1	AC26-00014D	TRANS SWITCHING;EE2722,HDD COMBO,-,FREE,	1	SA	
PQTZ2	AC26-00014E	TRANS SWITCHING;EER3126,HDD COMBO,-,FREE	1	SA	
PRCU1	2401-003842	C-AL;100UF,20%,450V,WT,BK,25.4X25,1	1	SA	
PSCZ1	2305-001029	C-FILM,LEAD-PEF;10nF,10%,630V,TP,12x9x12	1	SA	
PSCZ2	2201-000129	C-CERAMIC,DISC;0.1nF,10%,1000V,Y5P-,7x4	1	SA	
PSCZ3	2305-001029	C-FILM,LEAD-PEF;10nF,10%,630V,TP,12x9x12	1	SA	
PSCZ4	2201-000129	C-CERAMIC,DISC;0.1nF,10%,1000V,Y5P-,7x4	1	SA	
PSDZ1	0402-000012	DIODE-RECTIFIER;UF4007,1KV,1A,DO-41,TP	1	SA	
PSDZ11	0402-000012	DIODE-RECTIFIER;UF4007,1KV,1A,DO-41,TP	1	SA	
PSRZ1	2003-000994	R-METAL OXIDE(S);33Kohm,5%,2W,AF,TP,3.9x	1	SA	
PSRZ2	2003-000994	R-METAL OXIDE(S);33Kohm,5%,2W,AF,TP,3.9x	1	SA	
PSRZ3	2003-000994	R-METAL OXIDE(S);33Kohm,5%,2W,AF,TP,3.9x	1	SA	
PSRZ4	2003-000994	R-METAL OXIDE(S);33Kohm,5%,2W,AF,TP,3.9x	1	SA	
PVCL1	2401-004141	C-AL;33uF,20%,35V,GP,TP,6.3x7mm,5	1	SA	
PVCL2	2401-004141	C-AL;33uF,20%,35V,GP,TP,6.3x7mm,5	1	SA	
PVDL1	0402-001195	DIODE-RECTIFIER;F1T4,400V,1A,DO-204AC,TP	1	SA	
PVDL2	0402-001195	DIODE-RECTIFIER;F1T4,400V,1A,DO-204AC,TP	1	SA	
PVRL1	2001-000546	R-CARBON;270KOHM,5%,1/4W,AA,TP,2.4X6.4M	1	SA	
PVRL2	2001-000546	R-CARBON;270KOHM,5%,1/4W,AA,TP,2.4X6.4M	1	SA	
PVRL3	2001-000546	R-CARBON;270KOHM,5%,1/4W,AA,TP,2.4X6.4M	1	SA	
PVRL4	2001-000666	R-CARBON;33OHM,5%,1/8W,AA,TP,1.8X3.2MM	1	SA	
PVRL5	2001-000546	R-CARBON;270KOHM,5%,1/4W,AA,TP,2.4X6.4M	1	SA	
PVRL6	2001-000546	R-CARBON;270KOHM,5%,1/4W,AA,TP,2.4X6.4M	1	SA	
PVRL7	2001-000546	R-CARBON;270KOHM,5%,1/4W,AA,TP,2.4X6.4M	1	SA	
PVRL8	2001-001352	R-CARBON;62OHM,5%,1/8W,AA,TP,1.8X3.2MM	1	SA	

Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
PVZL1	0403-000713	DIODE-ZENER;MTZJ20B,18.63-17.7V,500MW,DO	1	SA	
PVZL2	0403-000713	DIODE-ZENER;MTZJ20B,18.63-17.7V,500MW,DO	1	SA	
W004	6003-000283	SCREW-TAPTITE;BH,+,B,M3,L8,ZPC(YEL),SWRC	1	SA	
W004	6003-000283	SCREW-TAPTITE;BH,+,B,M3,L8,ZPC(YEL),SWRC	1	SA	
W004	6003-000283	SCREW-TAPTITE;BH,+,B,M3,L8,ZPC(YEL),SWRC	1	SA	
W004	6003-000283	SCREW-TAPTITE;BH,+,B,M3,L8,ZPC(YEL),SWRC	1	SA	
W004	6003-000283	SCREW-TAPTITE;BH,+,B,M3,L8,ZPC(YEL),SWRC	1	SA	
W004	6003-000283	SCREW-TAPTITE;BH,+,B,M3,L8,ZPC(YEL),SWRC	1	SA	
W004	6003-000283	SCREW-TAPTITE;BH,+,B,M3,L8,ZPC(YEL),SWRC	1	SA	
W004	6003-000283	SCREW-TAPTITE;BH,+,B,M3,L8,ZPC(YEL),SWRC	1	SA	
W004	6003-000283	SCREW-TAPTITE;BH,+,B,M3,L8,ZPC(YEL),SWRC	1	SA	
W004	6003-000283	SCREW-TAPTITE;BH,+,B,M3,L8,ZPC(YEL),SWRC	1	SA	
W004	6003-000283	SCREW-TAPTITE;BH,+,B,M3,L8,ZPC(YEL),SWRC	1	SA	
P004	**AK92-00662B**	**ASSY PCB-KEY;DVD-HR720 PAL,LEFT**	**1**	**SA**	
FL286	3809-001667	FFC CABLE-FLAT;30V,80C,70mm,10P,1.25mm,U	1	SA	
HC1	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	1	SA	
HC2	2401-003221	C-AL;100uF,20%,16V,GP,TP,8X5,2.5	1	SA	
HD1	0601-001928	LED;ROUND,BLUE,3mm,465nm,3.6x3.8mm	1	SA	
HD2	0601-000402	LED;ROUND,YEL,3MM,585NM,-	1	SA	
HD3	0601-000402	LED;ROUND,YEL,3MM,585NM,-	1	SA	
HQ1	0504-000118	TR-DIGITAL;KSR1003,NPN,300MW,22K/22K,TO-	1	SA	
HQ2	0504-000118	TR-DIGITAL;KSR1003,NPN,300MW,22K/22K,TO-	1	SA	
HQ3	0504-000118	TR-DIGITAL;KSR1003,NPN,300MW,22K/22K,TO-	1	SA	
HR1	2001-000007	R-CARBON;3KOHM,5%,1/8W,AA,TP,1.8X3.2MM	1	SA	
HR2	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	1	SA	
HR3	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	1	SA	
HR4	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	1	SA	
HR6	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	1	SA	
HSW1	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	1	SA	
HSW2	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	1	SA	
HSW3	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	1	SA	
KCON2	3708-001803	CONNECTOR-FPC/FFC/PIC;10P,1.25MM,ANGLE,T	1	SA	
P007	**AK92-00662A**	**ASSY PCB-KEY;DVD-HR720 PAL,RIGHT**	**1**	**SA**	
D702	0401-000101	DIODE-SWITCHING;1N4148,75V,150mA,DO-35,T	1	SA	
D703	0401-000101	DIODE-SWITCHING;1N4148,75V,150mA,DO-35,T	1	SA	
D704	0401-000101	DIODE-SWITCHING;1N4148,75V,150mA,DO-35,T	1	SA	
D705	0401-000101	DIODE-SWITCHING;1N4148,75V,150mA,DO-35,T	1	SA	
DT701	AK07-00035A	LED DISPLAY-OVAL TYPE;BCD-9036A,DVD-HR72	1	SA	
FL286	3809-001667	FFC CABLE-FLAT;30V,80C,70mm,10P,1.25mm,U	1	SA	
HC10	2401-003221	C-AL;100uF,20%,16V,GP,TP,8X5,2.5	1	SA	
HC11	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	1	SA	
HC12	2202-000173	C-CERAMIC,MLC-AXIAL;1nF,10%,50V,Y5P-,1.	1	SA	
HC13	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	1	SA	
HC14	2401-001168	C-AL;33uF,20%,16V,GP,TP,6.3x5,2.5	1	SA	
HC15	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	1	SA	
HC16	2401-003221	C-AL;100uF,20%,16V,GP,TP,8X5,2.5	1	SA	
HC17	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	1	SA	
HD10	0601-001587	LED;ROUND,RED,3.1mm,635nm,3.8x5.2m	1	SA	

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HR20	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	1	SA	
HR21	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	1	SA	
HR22	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	1	SA	
HR23	2001-000837	R-CARBON;51KOHM,5%,1/8W,AA,TP,1.8X3.2MM	1	SA	
HR24	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	1	SA	
HR25	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	1	SA	
HR26	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M	1	SA	
IC701	1003-001561	IC-LED DRIVER;PT6961,SOP,32P,300MIL,-,40	1	SA	
KCON1	3708-001803	CONNECTOR-FPC/FFC/PIC;10P,1.25MM,ANGLE,T	1	SA	
KRMC1	0609-001189	MODULE REMOCON;HORIZONTAL,16.4MM,TR	1	SC	
L701	2701-000002	INDUCTOR-AXIAL;100UH,10%,4298	1	SA	
L702	2701-000002	INDUCTOR-AXIAL;100UH,10%,4298	1	SA	
Q702	0504-000118	TR-DIGITAL;KSR1003,NPN,300MW,22K/22K,TO-	1	SA	
SW701A	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	1	SA	
SW702A	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	1	SA	
SW703A	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	1	SA	
SW704A	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	1	SA	
SW705A	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	1	SA	
SW706A	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	1	SA	
SW707A	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	1	SA	
SW708A	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	1	SA	
SW709A	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	1	SA	
P022	**AK92-00652B**	**ASSY PCB-JACK;DVD-HR720/725 PAL,-**	**1**	**SA**	**DVD-HR721/XEC**
	AK92-00652B	**ASSY PCB-JACK;DVD-HR720/725 PAL,-**	**1**	**SA**	**DVD-HR721/XET**
	AK92-00652B	**ASSY PCB-JACK;DVD-HR720/725 PAL,-**	**1**	**SA**	**DVD-HR721/XEG**
	AK92-00652B	**ASSY PCB-JACK;DVD-HR720/725 PAL,-**	**1**	**SA**	**DVD-HR721/XEN**
	AK92-00652B	**ASSY PCB-JACK;DVD-HR720/725 PAL,-**	**1**	**SA**	**DVD-HR721/XEE**
	AK92-00652B	**ASSY PCB-JACK;DVD-HR720/725 PAL,-**	**1**	**SA**	**DVD-HR721/XEO**
	AK92-00652B	**ASSY PCB-JACK;DVD-HR720/725 PAL,-**	**1**	**SA**	**DVD-HR721/EUR**
	AK92-00652A	**ASSY PCB-FR;DVD-HR720E/XEF,JACK PCB**	**1**	**SA**	**DVD-HR721/XEF**
	AK92-00652A	**ASSY PCB-FR;DVD-HR720E/XEF,JACK PCB**	**1**	**SA**	**DVD-HR721/XEB**
	AK92-00652A	**ASSY PCB-FR;DVD-HR720E/XEF,JACK PCB**	**1**	**SA**	**DVD-HR721/SED**
AC201	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
AC202	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
AC203	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
AC204	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
AC3	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	1	SA	
AC4	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
AC406	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
AC407	2203-000125	C-CER,CHIP;1.2nF,10%,50V,X7R,TP,1608,-	1	SA	
AC408	2203-000125	C-CER,CHIP;1.2nF,10%,50V,X7R,TP,1608,-	1	SA	
AC409	2203-000315	C-CER,CHIP;0.12NF,5%,50V,C0G,TP,1608	1	SA	
AC410	2203-000315	C-CER,CHIP;0.12NF,5%,50V,C0G,TP,1608	1	SA	
AC413	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
AC702	2203-000491	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1608,-	1	SA	
AC703	2203-000783	C-CER,CHIP;0.33NF,5%,50V,C0G,TP,1608	1	SA	
AC705	2203-000783	C-CER,CHIP;0.33NF,5%,50V,C0G,TP,1608	1	SA	
AC714	2203-000783	C-CER,CHIP;0.33NF,5%,50V,C0G,TP,1608	1	SA	
AC715	2203-000491	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1608,-	1	SA	
AC716	2203-000783	C-CER,CHIP;0.33NF,5%,50V,C0G,TP,1608	1	SA	
ACC20	2203-000491	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1608,-	1	SA	
ACC21	2203-000491	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1608,-	1	SA	
AD1	0407-000114	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT-	1	SA	
AD2	0407-000114	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT-	1	SA	
AD3	0407-000114	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT-	1	SA	
AD51	0407-000114	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT-	1	SA	
AD54	0407-000114	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT-	1	SA	
AD55	0407-000114	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT-	1	SA	
AE100	2401-001502	C-AL;47uF,20%,16V,GP,TP,6.3x5,2.5	1	SA	
AE201	2401-001915	C-AL;1uF,20%,50V,GP,TP,3x5,5	1	SA	
AE3	2401-001250	C-AL;4.7uF,20%,35V,GP,TP,4x5,5	1	SA	
AE4	2401-001250	C-AL;4.7uF,20%,35V,GP,TP,4x5,5	1	SA	
AE405	2404-000256	C-TA,CHIP;47UF,20%,16V,GP,TP,7343	1	SA	
AE41	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528	1	SA	
AE42	2401-000922	C-AL;22uF,20%,16V,GP,TP,5x5,5	1	SA	
AE46	2401-000922	C-AL;22uF,20%,16V,GP,TP,5x5,5	1	SA	
AE47	2401-000426	C-AL;10uF,20%,16V,GP,TP,3.5x5,5	1	SA	
AE51	2401-000426	C-AL;10uF,20%,16V,GP,TP,3.5x5,5	1	SA	
AE52	2401-000303	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	1	SA	
AE701	2401-003604	C-AL;10uF,20%,25V,WT,TP,5x5mm,2.5	1	SA	
AE702	2401-003604	C-AL;10uF,20%,25V,WT,TP,5x5mm,2.5	1	SA	
AE705	2401-003604	C-AL;10uF,20%,25V,WT,TP,5x5mm,2.5	1	SA	
AE712	2401-003604	C-AL;10uF,20%,25V,WT,TP,5x5mm,2.5	1	SA	
AE714	2401-003604	C-AL;10uF,20%,25V,WT,TP,5x5mm,2.5	1	SA	
AE715	2401-003604	C-AL;10uF,20%,25V,WT,TP,5x5mm,2.5	1	SA	
AE720	2401-000303	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	1	SA	
AE721	2401-003604	C-AL;10uF,20%,25V,WT,TP,5x5mm,2.5	1	SA	
AE722	2401-003604	C-AL;10uF,20%,25V,WT,TP,5x5mm,2.5	1	SA	
AIC3	AH14-10004R	IC;M74HCU04,SOP,TAPE 14P	1	SA	
AIC4	1201-000163	IC-OP AMP;4560,SOP,8P,173MIL,DUAL,100V/m	1	SA	
AIC5	1201-000163	IC-OP AMP;4560,SOP,8P,173MIL,DUAL,100V/m	1	SA	
AIC51	0801-001270	IC-CMOS LOGIC;4052,MUX/DEMUX,SOP,16,150M	1	SA	
AL1	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	1	SA	
AL10	2701-000114	INDUCTOR-AXIAL;10UH,10%,2534	1	SA	
AL11	2701-000181	INDUCTOR-AXIAL;33uH,5%,2434	1	SA	
AL12	2701-000181	INDUCTOR-AXIAL;33uH,5%,2434	1	SA	
AL13	2701-000181	INDUCTOR-AXIAL;33uH,5%,2434	1	SA	
AL14	2701-000181	INDUCTOR-AXIAL;33uH,5%,2434	1	SA	
AL15	2701-000181	INDUCTOR-AXIAL;33uH,5%,2434	1	SA	
AL16	2701-000181	INDUCTOR-AXIAL;33uH,5%,2434	1	SA	
AL2	3301-000314	BEAD-SMD;120ohm,1.6x0.8x0.8mm,150mA,,,,	1	SA	
AL201	2901-001125	FILTER-EMI ON BOARD;50V,0.5A,-,220pF,7x2	1	SA	
AL3	3301-000314	BEAD-SMD;120ohm,1.6x0.8x0.8mm,150mA,,,,	1	SA	
AL5	2701-000181	INDUCTOR-AXIAL;33uH,5%,2434	1	SA	
AL6	2701-000181	INDUCTOR-AXIAL;33uH,5%,2434	1	SA	
AL7	2701-000181	INDUCTOR-AXIAL;33uH,5%,2434	1	SA	
AL8	2701-000181	INDUCTOR-AXIAL;33uH,5%,2434	1	SA	
AMC01	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
AME01	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
AME2	2401-001543	C-AL;47uF,20%,25V,GP,TP,6.3x5mm,2.5	1	SA	
AQ1	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	1	SA	
AQ3	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	1	SA	
AQ4	0504-000128	TR-DIGITAL;-,NPN,200MW,22K/22K,SOT-23,TP	1	SA	
AQ5	0504-000156	TR-DIGITAL;KSR2103,PNP,200MW,22K/22K,SOT	1	SA	
AQ51	0504-000128	TR-DIGITAL;-,NPN,200MW,22K/22K,SOT-23,TP	1	SA	
AQ52	0504-000156	TR-DIGITAL;KSR2103,PNP,200MW,22K/22K,SOT	1	SA	
AQ55	0501-000002	TR-SMALL SIGNAL;KSA812,PNP,150MW,SOT-23,	1	SA	
AQ6	0504-000128	TR-DIGITAL;-,NPN,200MW,22K/22K,SOT-23,TP	1	SA	

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AQ7	0504-000156	TR-DIGITAL;KSR2103,PNP,200MW,22K/22K,SOT	1	SA	
AR13	2007-001010	R-CHIP;51Kohm,5%,1/10W,TP,1608	1	SA	
AR14	2007-001010	R-CHIP;51Kohm,5%,1/10W,TP,1608	1	SA	
AR15	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	1	SA	
AR16	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	1	SA	
AR17	2007-001010	R-CHIP;51Kohm,5%,1/10W,TP,1608	1	SA	
AR18	2007-001010	R-CHIP;51Kohm,5%,1/10W,TP,1608	1	SA	
AR201	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	1	SA	
AR202	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	SA	
AR203	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	1	SA	
AR26	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA	
AR303	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	1	SA	
AR4	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
AR40	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA	
AR404	2007-001010	R-CHIP;51Kohm,5%,1/10W,TP,1608	1	SA	
AR408	2007-001010	R-CHIP;51Kohm,5%,1/10W,TP,1608	1	SA	
AR409	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	1	SA	
AR410	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	1	SA	
AR411	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
AR412	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
AR413	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	1	SA	
AR414	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	1	SA	
AR415	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	1	SA	
AR420	2007-000122	R-CHIP;1.2Kohm,5%,1/10W,TP,1608	1	SA	
AR421	2007-001179	R-CHIP;8.2Kohm,5%,1/10W,TP,1608	1	SA	
AR460	2007-000122	R-CHIP;1.2Kohm,5%,1/10W,TP,1608	1	SA	
AR461	2007-001179	R-CHIP;8.2Kohm,5%,1/10W,TP,1608	1	SA	
AR471	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
AR472	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
AR473	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	1	SA	
AR474	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	1	SA	
AR475	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	1	SA	
AR5	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
AR51	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA	
AR54	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA	
AR55	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	SA	
AR56	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	SA	
AR702	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	SA	
AR713	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	1	SA	
AR715	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	SA	
AR722	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA	
AR735	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA	
ASQ01	0504-000156	TR-DIGITAL;KSR2103,PNP,200MW,22K/22K,SOT	1	SA	
ASQ02	0504-000128	TR-DIGITAL;-,NPN,200MW,22K/22K,SOT-23,TP	1	SA	
ASQ03	0504-000156	TR-DIGITAL;KSR2103,PNP,200MW,22K/22K,SOT	1	SA	
ASQ04	0504-000128	TR-DIGITAL;-,NPN,200MW,22K/22K,SOT-23,TP	1	SA	
ASR01	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
ASR02	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
AVJ1	3722-002318	JACK-PIN;3P(7P),SN/NI,RED/BLU/GRN,ANGLE	1	SA	
AVJ2	3722-002111	JACK-PIN;6P+1P,SN/NI,RED/WHT/YEL/BLK,AN	1	SA	
AVJ5	3707-001070	CONNECTOR-OPTICAL;PLUG,GP1FA550TZ,6dB,2.	1	SA	
C201	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
C210	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
C216	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
C226	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
CE75	2401-000118	C-AL;1000uF,20%,10V,GP,TP,10x12.5,5	1	SA	
CE76	2401-000118	C-AL;1000uF,20%,10V,GP,TP,10x12.5,5	1	SA	
CN7	3722-002118	JACK-IEEE1394;4P,NI,BLK,ANGLE,/EEE1394	1	SA	
CON4	3708-001802	CONNECTOR-FPC/FFC/PIC;10P,1.25MM,STRAIGH	1	SA	
CORD C	AH65-00001A	CLAMPER CORE;DVD-909,DALA-2,-,-,BLK,XAA	1	SA	
CVL0	3301-001419	BEAD-SMD;220ohm,1608,500mA,TP,133ohm/70	1	SA	
CVL1	3301-001419	BEAD-SMD;220ohm,1608,500mA,TP,133ohm/70	1	SA	
CVL2	3301-001419	BEAD-SMD;220ohm,1608,500mA,TP,133ohm/70	1	SA	
D701	0402-001494	DIODE-RECTIFIER;SF24G,200V,2A,DO-15,TP	1	SA	
E202	2401-000408	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	1	SA	
E203	2401-000408	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	1	SA	
E206	2401-000408	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	1	SA	
E212	2401-001502	C-AL;47uF,20%,16V,GP,TP,6.3x5,2.5	1	SA	
ESD01	0403-000718	DIODE-ZENER;MTZJ6.8B,6.52-6.79V,500MW,DO	1	SA	
ESD02	0403-000718	DIODE-ZENER;MTZJ6.8B,6.52-6.79V,500MW,DO	1	SA	
ESD03	0403-000718	DIODE-ZENER;MTZJ6.8B,6.52-6.79V,500MW,DO	1	SA	
ESD04	0403-000718	DIODE-ZENER;MTZJ6.8B,6.52-6.79V,500MW,DO	1	SA	
ESD05	0403-000718	DIODE-ZENER;MTZJ6.8B,6.52-6.79V,500MW,DO	1	SA	
ESD06	0403-000718	DIODE-ZENER;MTZJ6.8B,6.52-6.79V,500MW,DO	1	SA	
ESD07	0403-000718	DIODE-ZENER;MTZJ6.8B,6.52-6.79V,500MW,DO	1	SA	
ESD08	0403-000718	DIODE-ZENER;MTZJ6.8B,6.52-6.79V,500MW,DO	1	SA	
ESD14	0403-001083	DIODE-ZENER;UDZ9.1B,8.85-9.23V,200MW,UMD	1	SA	
ESD15	0403-001083	DIODE-ZENER;UDZ9.1B,8.85-9.23V,200MW,UMD	1	SA	
FC10	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
FC11	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
FC12	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
FC21	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
FC22	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
FC3	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,TP,1608	1	SA	
FC4	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,TP,1608	1	SA	
FC6	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
FC7	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
FC8	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
FC9	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
FD2	0402-000165	DIODE-RECTIFIER;1N5819,40V,1A,DO-41,TP	1	SA	
FD3	0402-000165	DIODE-RECTIFIER;1N5819,40V,1A,DO-41,TP	1	SA	
FD4	0401-000101	DIODE-SWITCHING;1N4148,75V,150mA,DO-35,T	1	SA	
FD6	0402-000165	DIODE-RECTIFIER;1N5819,40V,1A,DO-41,TP	1	SA	
FD7	0402-000165	DIODE-RECTIFIER;1N5819,40V,1A,DO-41,TP	1	SA	
FD8	0401-000101	DIODE-SWITCHING;1N4148,75V,150mA,DO-35,T	1	SA	
FE2	2404-000275	C-TA,CHIP,100UF,10%,10V,GP,TP,7343	1	SA	
FE4	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	1	SA	
FE6	2401-001730	C-AL;10UF,20%,50V,GP,TP,5X11,5	1	SA	
FE7	2401-001250	C-AL;4.7uF,20%,35V,GP,TP,4x5,5	1	SA	
FE8	2401-001730	C-AL;10UF,20%,50V,GP,TP,5X11,5	1	SA	
FED33	0403-001083	DIODE-ZENER;UDZ9.1B,8.85-9.23V,200MW,UMD	1	SA	
FED34	0403-001083	DIODE-ZENER;UDZ9.1B,8.85-9.23V,200MW,UMD	1	SA	
FIC1	AC09-00598A	IC MICOM;N128-B96-3BA,DVD-HR720E-02,100	1	SA	
FIC2	1103-001224	IC-EEPROM;524L50X51,2Kx8,SOP,8P,5.13x4mm	1	SA	
FIC5	AC14-12006C	IC;KA7533,DIP,-	1	SA	
FL3	2701-000002	INDUCTOR-AXIAL;100UH,10%,4298	1	SA	
FR1	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
FR101	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
FR12	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
FR13	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	

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Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
FR14	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA	
FR15	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
FR17	2007-000431	R-CHIP;16Kohm,5%,1/10W,TP,1608	1	SA	
FR18	2007-000586	R-CHIP;22Kohm,5%,1/8W,TP,2012	1	SA	
FR19	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
FR2	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA	
FR20	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
FR201	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
FR24	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA	
FR27	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
FR28	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
FR29	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
FR30	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
FR302	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
FR31	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
FR4	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
FR41	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA	
FR47	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
FR61	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
FR80	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA	
FRONT	3722-001943	JACK-PIN;3P,8.3PI,NI,BLK,-	1	SA	
FY1	2801-003139	CRYSTAL-UNIT;8MHz,50ppm,28-AAA,22pF,80oh	1	SA	
HOLDER	AK61-00462A	SUPPORT-PCB;SV-R2500,NYLON 6.6,2mm,PI 5m	2	SNA	
IC201	0801-001094	IC-CMOS LOGIC;74HC4051,MULTIPLEXER,SOP,1	1	SA	
IC203	0801-001270	IC-CMOS LOGIC,4052,MUX/DEMUX,SOP,16,150M	1	SA	
L331	2701-000114	INDUCTOR-AXIAL;10UH,10%,2534	1	SA	
L332	2701-000002	INDUCTOR-AXIAL;100UH,10%,4298	1	SA	
OC1	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
OC10	2203-000975	C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,-	1	SA	
OC2	2203-000426	C-CER,CHIP;0.018NF,5%,50V,C0G,TP,1608	1	SA	
OC3	2203-001071	C-CER,CHIP;0.056nF,5%,50V,C0G,1608	1	SA	
OC4	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
OC5	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	1	SA	
OC6	2203-000681	C-CER,CHIP;0.027nF,5%,50V,C0G,1608	1	SA	
OC7	2203-000681	C-CER,CHIP;0.027nF,5%,50V,C0G,1608	1	SA	
OC8	2203-000426	C-CER,CHIP;0.018NF,5%,50V,C0G,TP,1608	1	SA	
OC9	2203-000426	C-CER,CHIP;0.018NF,5%,50V,C0G,TP,1608	1	SA	
OD2	0401-000101	DIODE-SWITCHING;1N4148,75V,150mA,DO-35,T	1	SA	
OE1	2401-001507	C-AL;47uF,20%,16V,GP,TP,6.3x5,5	1	SA	
OE2	2401-001915	C-AL;1uF,20%,50V,GP,TP,3x5,5	1	SA	
OE3	2401-001915	C-AL;1uF,20%,50V,GP,TP,3x5,5	1	SA	
OE4	2401-000426	C-AL;10uF,20%,16V,GP,TP,3.5x5,5	1	SA	
OE5	2401-001502	C-AL;47uF,20%,16V,GP,TP,6.3x5,2.5	1	SA	
OE6	2401-001249	C-AL;4.7uF,20%,35V,GP,TP,4x5,2.5	1	SA	
OL1	2701-000188	INDUCTOR-AXIAL;4.7uH,5%,2434	1	SA	
OL2	2701-000188	INDUCTOR-AXIAL;4.7uH,5%,2434	1	SA	
OL3	2701-000160	INDUCTOR-AXIAL;22uH,5%,2434	1	SA	
OL4	2701-000165	INDUCTOR-AXIAL;27uH,5%,2434	1	SA	
OQ1	0501-000279	TR-SMALL SIGNAL;KSA1182-Y,PNP,150mW,SOT-	1	SA	
OQ2	0501-000279	TR-SMALL SIGNAL;KSA1182-Y,PNP,150mW,SOT-	1	SA	
OQ4	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	1	SA	
OR1	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
OR10	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA	
OR11	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
OR15	2007-000040	R-CHIP;150ohm,1%,1/10W,TP,1608	1	SA	
OR16	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
OR17	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	SA	
OR18	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	SA	
OR19	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
OR2	2007-000118	R-CHIP;390ohm,5%,1/10W,TP,1608	1	SA	
OR3	2007-000040	R-CHIP;150ohm,1%,1/10W,TP,1608	1	SA	
OR30	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	1	SA	
OR31	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	1	SA	
OR32	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
OR4	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
OR5	2007-000086	R-CHIP;5.6Kohm,5%,1/10W,TP,1608	1	SA	
OR6	2007-000081	R-CHIP;2.7Kohm,5%,1/10W,TP,1608	1	SA	
OR7	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
OR8	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA	
OR9	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA	
OY1	2801-003311	CRYSTAL-UNIT;17.734475MHz,50ppm,28-AAA,1	1	SA	
P022	3711-005612	CONNECTOR-HEADER;BOX,30P,2R,2mm,STRAIGHT	1	SA	
P022	3711-005612	CONNECTOR-HEADER;BOX,30P,2R,2mm,STRAIGHT	1	SA	
P022	AC37-00027A	CONNECTOR-HEADER;20045WS,X-11,T8.5,W17.4	1	SA	
PCN1	3711-001246	HEADER-BOARD TO BOARD;NOWALL,12P,1R,2.5m	1	SA	
PCN2	3711-001246	HEADER-BOARD TO BOARD;NOWALL,12P,1R,2.5m	1	SA	
POR01	2007-000080	R-CHIP;2Kohm,5%,1/10W,TP,1608	1	SA	
POR02	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	SA	
PQ1	0501-000362	TR-SMALL SIGNAL;KSC2328A-Y,NPN,1000mW,TO	1	SA	
PR04	2001-000405	R-CARBON;180OHM,5%,1/8W,AA,TP,1.8X3.2MM	1	SA	
SCC10	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	1	SA	
SCC15	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
SCC16	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
SCC29	2203-000491	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1608,-	1	SA	
SCC3	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	1	SA	
SCC30	2203-000491	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1608,-	1	SA	
SCC31	2203-000491	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1608,-	1	SA	
SCC32	2203-000491	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1608,-	1	SA	
SCC34	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
SCC4	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	1	SA	
SCC40	2203-000783	C-CER,CHIP;0.33NF,5%,50V,C0G,TP,1608	1	SA	
SCC41	2203-005105	C-CER,CHIP;0.68nF,5%,50V,C0G,1608	1	SA	
SCC42	2203-000783	C-CER,CHIP;0.33NF,5%,50V,C0G,TP,1608	1	SA	
SCC43	2203-000783	C-CER,CHIP;0.33NF,5%,50V,C0G,TP,1608	1	SA	
SCC44	2203-005105	C-CER,CHIP;0.68nF,5%,50V,C0G,1608	1	SA	
SCC45	2203-000783	C-CER,CHIP;0.33NF,5%,50V,C0G,TP,1608	1	SA	
SCC49	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
SCC5	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	1	SA	
SCC51	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
SCC6	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	1	SA	
SCC7	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	1	SA	
SCC8	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	1	SA	
SCC9	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	1	SA	
SCD2	0401-000101	DIODE-SWITCHING;1N4148,75V,150mA,DO-35,T	1	SA	
SCE49	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	1	SA	
SCE50	2401-000922	C-AL;22uF,20%,16V,GP,TP,5x5,5	1	SA	
SCE51	2401-000303	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	1	SA	
SCE52	2401-000426	C-AL;10uF,20%,16V,GP,TP,3.5x5,5	1	SA	
SCE53	2401-000922	C-AL,22uF,20%,16V,GP,TP,5x5,5	1	SA	
SCE54	2401-000426	C-AL;10uF,20%,16V,GP,TP,3.5x5,5	1	SA	

Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
SCE55	2401-001479	C-AL;470uF,20%,10V,GP,TP,6.3*11mm,5	1	SA	
SCE56	2401-000426	C-AL;10uF,20%,16V,GP,TP,3.5x5,5	1	SA	
SCE57	2401-000426	C-AL;10uF,20%,16V,GP,TP,3.5x5,5	1	SA	
SCE58	2401-000426	C-AL;10uF,20%,16V,GP,TP,3.5x5,5	1	SA	
SCE59	2401-000426	C-AL;10uF,20%,16V,GP,TP,3.5x5,5	1	SA	
SCE60	2401-000426	C-AL;10uF,20%,16V,GP,TP,3.5x5,5	1	SA	
SCE70	2401-000426	C-AL;10uF,20%,16V,GP,TP,3.5x5,5	1	SA	
SCE71	2401-000426	C-AL;10uF,20%,16V,GP,TP,3.5x5,5	1	SA	
SCE91	2401-000426	C-AL;10uF,20%,16V,GP,TP,3.5x5,5	1	SA	
SCE92	2401-000426	C-AL;10uF,20%,16V,GP,TP,3.5x5,5	1	SA	
SCJ1	3722-002321	JACK-SCART;42P,-,SN+PB,BLK,-	1	SA	
SCL11	2703-001973	INDUCTOR-SMD;2.7uH,10%,1608	1	SA	
SCL12	2703-001973	INDUCTOR-SMD;2.7uH,10%,1608	1	SA	
SCL13	2703-001973	INDUCTOR-SMD;2.7uH,10%,1608	1	SA	
SCL14	2703-001973	INDUCTOR-SMD;2.7uH,10%,1608	1	SA	
SCL5	AC27-92001M	COIL-INDUCTOR;RH3.5X6.5RS,BEAD(RADIAL),-	1	SC	
SCL99	AC27-92001M	COIL-INDUCTOR;RH3.5X6.5RS,BEAD(RADIAL),-	1	SC	
SCR1	2007-000116	R-CHIP;120ohm,5%,1/10W,TP,1608	1	SA	
SCR10	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA	
SCR11	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA	
SCR15	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	SA	
SCR18	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	SA	
SCR19	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
SCR2	2007-000119	R-CHIP;560ohm,5%,1/10W,TP,1608	1	SA	
SCR20	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
SCR21	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
SCR22	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
SCR23	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
SCR24	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
SCR25	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	SA	
SCR26	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
SCR27	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
SCR28	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	SA	
SCR3	2007-000119	R-CHIP;560ohm,5%,1/10W,TP,1608	1	SA	
SCR32	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	SA	
SCR33	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	SA	
SCR34	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	SA	
SCR35	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	1	SA	
SCR36	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	1	SA	
SCR37	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	1	SA	
SCR38	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	SA	
SCR39	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	SA	
SCR4	2007-000119	R-CHIP;560ohm,5%,1/10W,TP,1608	1	SA	
SCR5	2007-000119	R-CHIP;560ohm,5%,1/10W,TP,1608	1	SA	
SCR55	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
SCR56	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
SCR6	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM	1	SA	
SCR7	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM	1	SA	
SCR8	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
SCR9	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
SCR996	2007-000033	R-CHIP;0ohm,5%,1/4W,TP,3216	1	SA	
SCR997	2007-000033	R-CHIP;0ohm,5%,1/4W,TP,3216	1	SA	
SCZ1	0403-001083	DIODE-ZENER;UDZ9.1B,8.85-9.23V,200MW,UMD	1	SA	
SCZ10	0403-001083	DIODE-ZENER;UDZ9.1B,8.85-9.23V,200MW,UMD	1	SA	
SCZ11	0403-001083	DIODE-ZENER;UDZ9.1B,8.85-9.23V,200MW,UMD	1	SA	
SCZ2	0403-001083	DIODE-ZENER;UDZ9.1B,8.85-9.23V,200MW,UMD	1	SA	
SCZ3	0403-001083	DIODE-ZENER;UDZ9.1B,8.85-9.23V,200MW,UMD	1	SA	
SCZ4	0403-001083	DIODE-ZENER;UDZ9.1B,8.85-9.23V,200MW,UMD	1	SA	
SCZ5	0403-001083	DIODE-ZENER;UDZ9.1B,8.85-9.23V,200MW,UMD	1	SA	
SCZ6	0403-001083	DIODE-ZENER;UDZ9.1B,8.85-9.23V,200MW,UMD	1	SA	
SCZ7	0403-001083	DIODE-ZENER;UDZ9.1B,8.85-9.23V,200MW,UMD	1	SA	
SCZ8	0403-001083	DIODE-ZENER;UDZ9.1B,8.85-9.23V,200MW,UMD	1	SA	
SCZ9	0403-001083	DIODE-ZENER;UDZ9.1B,8.85-9.23V,200MW,UMD	1	SA	
SD001	0401-000101	DIODE-SWITCHING;1N4148,75V,150mA,DO-35,T	1	SA	
SE219	2401-000426	C-AL;10uF,20%,16V,GP,TP,3.5x5,5	1	SA	
SE221	2401-000426	C-AL;10uF,20%,16V,GP,TP,3.5x5,5	1	SA	
SE223	2401-000426	C-AL;10uF,20%,16V,GP,TP,3.5x5,5	1	SA	
SIC1	1204-002094	IC-AUDIO PROCESSOR;MM1647XJ,SSOP,34P,17.	1	SA	
SJR1	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
SJR4	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
SJR5	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
SJR6	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
SMQ1	0504-000128	TR-DIGITAL;-,NPN,200MW,22K/22K,SOT-23,TP	1	SA	
SMQ2	0504-000156	TR-DIGITAL;KSR2103,PNP,200MW,22K/22K,SOT	1	SA	
SMQ3	0504-000152	TR-DIGITAL;KSR2101,PNP,200mW,4.7K/4.7K,S	1	SA	
SMR1	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
SVZ10	0403-001083	DIODE-ZENER;UDZ9.1B,8.85-9.23V,200MW,UMD	1	SA	
SVZ7	0403-001083	DIODE-ZENER;UDZ9.1B,8.85-9.23V,200MW,UMD	1	SA	
SVZ8	0403-001083	DIODE-ZENER;UDZ9.1B,8.85-9.23V,200MW,UMD	1	SA	
SVZ9	0403-001083	DIODE-ZENER;UDZ9.1B,8.85-9.23V,200MW,UMD	1	SA	
TC10	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
TC11	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
TC12	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	SA	
TC13	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
TC17	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
TC18	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
TC19	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
TC2	2203-000160	C-CER,CHIP;0.0015NF,0.25PF,50V,C0G,TP,16	1	SA	
TC20	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
TC27	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
TC28	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
TC3	2203-000160	C-CER,CHIP;0.0015NF,0.25PF,50V,C0G,TP,16	1	SA	
TC33	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,TP,1608	1	SA	
TC4	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	SA	
TC5	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	SA	
TC6	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	SA	
TC7	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	SA	
TC70	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	SA	
TC71	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
TC72	2203-000998	C-CER,CHIP;0.047NF,5%,50V,C0G,TP,1608	1	SA	
TC8	2203-001607	C-CER,CHIP;0.22nF,5%,50V,NP0,-,1608	1	SA	
TC81	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
TC9	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	1	SA	
TD1	0401-000101	DIODE-SWITCHING;1N4148,75V,150mA,DO-35,T	1	SA	
TD2	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	1	SA	
TE1	2401-002300	C-AL;47uF,20%,50V,GP,TP,6.3x11,5	1	SA	
TE10	2401-003604	C-AL;10uF,20%,25V,WT,TP,5x5mm,2.5	1	SA	
TE11	2401-001249	C-AL;4.7uF,20%,35V,GP,TP,4x5,2.5	1	SA	
TE12	2401-001077	C-AL;330nF,20%,50V,GP,TP,4x7mm,5mm	1	SA	
TE13	2401-001249	C-AL;4.7uF,20%,35V,GP,TP,4x5,2.5	1	SA	

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Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
TE14	2401-000408	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	1	SA	
TE15	2401-003221	C-AL;100uF,20%,16V,GP,TP,8X5,2.5	1	SA	
TE16	2401-000909	C-AL;22uF,20%,16V,GP,TP,5x5,2.5	1	SA	
TE19	2401-002186	C-AL;3.3uF,20%,50V,GP,BK,4x5,2.5	1	SA	
TE2	2401-000408	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	1	SA	
TE20	2401-000408	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	1	SA	
TE25	2401-000408	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	1	SA	
TE3	2401-003604	C-AL;10uF,20%,25V,WT,TP,5x5mm,2.5	1	SA	
TE31	2401-000909	C-AL;22uF,20%,16V,GP,TP,5x5,2.5	1	SA	
TE32	2401-003221	C-AL;100uF,20%,16V,GP,TP,8X5,2.5	1	SA	
TE33	2401-001502	C-AL;47uF,20%,16V,GP,TP,6.3x5,2.5	1	SA	
TE35	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	1	SA	
TE4	2401-000408	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	1	SA	
TE40	2401-000249	C-AL;100uF,20%,10V,GP,TP,6.3x5,5	1	SA	
TE8	2401-001479	C-AL;470uF,20%,10V,GP,TP,6.3*11mm,5	1	SA	
TFC7	2202-000279	C-CERAMIC,MLC-AXIAL;47pF,5%,50V,SL,TP,3.	1	SA	
TFR10	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
TFR8	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
TFR9	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
TIC1	1204-001765	IC-AUDIO PROCESSOR;MSP3417D(PQFP),PQFP,4	1	SA	
TIC2	1201-001063	IC-OP AMP;2267,SOP,8P,300MIL,DUAL,6.7dB,	1	SA	
TIC4	1204-001794	IC-AUDIO PROCESSOR;LC74775NM-9808,MPF,30	1	SA	
TL1	2701-000188	INDUCTOR-AXIAL;4.7uH,5%,2434	1	SA	
TL2	2701-000188	INDUCTOR-AXIAL;4.7uH,5%,2434	1	SA	
TL3	2701-000188	INDUCTOR-AXIAL;4.7uH,5%,2434	1	SA	
TL4	2701-000002	INDUCTOR-AXIAL;100UH,10%,4298	1	SA	
TL6	2701-000002	INDUCTOR-AXIAL;100UH,10%,4298	1	SA	
TM1	AK40-00025A	TM BLOCK;TCSK0601PD25A,PAL B/G,I,D/K,UH	1	SA	DVD-HR721/XEC
	AK40-00025A	TM BLOCK;TCSK0601PD25A,PAL B/G,I,D/K,UH	1	SA	DVD-HR721/XET
	AK40-00025A	TM BLOCK;TCSK0601PD25A,PAL B/G,I,D/K,UH	1	SA	DVD-HR721/XEG
	AK40-00025A	TM BLOCK;TCSK0601PD25A,PAL B/G,I,D/K,UH	1	SA	DVD-HR721/XEN
	AK40-00025A	TM BLOCK;TCSK0601PD25A,PAL B/G,I,D/K,UH	1	SA	DVD-HR721/XEE
	AK40-00025A	TM BLOCK;TCSK0601PD25A,PAL B/G,I,D/K,UH	1	SA	DVD-HR721/XEO
	AK40-00025A	TM BLOCK;TCSK0601PD25A,PAL B/G,I,D/K,UH	1	SA	DVD-HR721/EUR
	AK40-00026A	TM BLOCK;TCPL0601PD25A,PAL B/G,SECA	1	SA	DVD-HR721/XEF
	AK40-00026A	TM BLOCK;TCPL0601PD25A,PAL B/G,SECA	1	SA	DVD-HR721/XEB
	AK40-00026A	TM BLOCK;TCPL0601PD25A,PAL B/G,SECA	1	SA	DVD-HR721/SED
TMR001	2001-000515	R-CARBON;2200HM,5%,1/8W,AA,TP,1.8X3.2MM	1	SA	
TMR002	2001-000515	R-CARBON;2200HM,5%,1/8W,AA,TP,1.8X3.2MM	1	SA	
TMR01	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
TR1	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA	
TR13	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA	
TR17	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM	1	SA	
TR18	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM	1	SA	
TR2	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA	
TR22	2001-000857	R-CARBON;5600HM,5%,1/8W,AA,TP,1.8X3.2MM	1	SA	
TR23	2001-000857	R-CARBON;5600HM,5%,1/8W,AA,TP,1.8X3.2MM	1	SA	
TR3	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA	
TR4	2001-000995	R-CARBON;8200HM,5%,1/8W,AA,TP,1.8X3.2MM	1	SA	
TR5	2001-000995	R-CARBON;8200HM,5%,1/8W,AA,TP,1.8X3.2MM	1	SA	
TR61	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM	1	SA	
TR62	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM	1	SA	
TR83	2007-001134	R-CHIP;68ohm,5%,1/10W,TP,1608	1	SA	
TR84	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA	
TY1	2801-004098	CRYSTAL-UNIT;18.432MHZ,20PPM,28-AAA,16PF	1	SA	
VBE04	2401-000408	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	1	SA	
VBE05	2401-000408	C-AL;10uF,20%,16V,GP,TP,3.5x5,2.5	1	SA	
VBQ1	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	1	SA	
VBR01	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	SA	
VBR02	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	SA	
VBR03	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA	
VC1	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
VC10	2203-000357	C-CER,CHIP;0.15NF,5%,50V,C0G,TP,1608	1	SA	
VC11	2203-001607	C-CER,CHIP;0.22nF,5%,50V,NP0,-,1608	1	SA	
VC12	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
VC13	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA	
VC14	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA	
VC15	2203-001607	C-CER,CHIP;0.22nF,5%,50V,NP0,-,1608	1	SA	
VC16	2203-001607	C-CER,CHIP;0.22nF,5%,50V,NP0,-,1608	1	SA	
VC26	2203-000783	C-CER,CHIP;0.33NF,5%,50V,C0G,TP,1608	1	SA	
VC27	2203-005105	C-CER,CHIP;0.68nF,5%,50V,C0G,1608	1	SA	
VC28	2203-000783	C-CER,CHIP;0.33NF,5%,50V,C0G,TP,1608	1	SA	
VC3	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
VC5	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
VC6	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
VC7	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
VDR1	2007-000040	R-CHIP;150ohm,1%,1/10W,TP,1608	1	SA	
VDR2	2007-000040	R-CHIP;150ohm,1%,1/10W,TP,1608	1	SA	
VDR3	2007-000040	R-CHIP;150ohm,1%,1/10W,TP,1608	1	SA	
VDR4	2007-000040	R-CHIP;150ohm,1%,1/10W,TP,1608	1	SA	
VDR5	2007-000040	R-CHIP;150ohm,1%,1/10W,TP,1608	1	SA	
VDR6	2007-000040	R-CHIP;150ohm,1%,1/10W,TP,1608	1	SA	
VE1	2401-001479	C-AL;470uF,20%,10V,GP,TP,6.3*11mm,5	1	SA	
VE10	2401-000426	C-AL;10uF,20%,16V,GP,TP,3.5x5,5	1	SA	
VE11	2401-003107	C-AL;47uF,20%,16V,GP,TP,5x7,5	1	SA	
VE12	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	1	SA	
VE13	2401-001479	C-AL;470uF,20%,10V,GP,TP,6.3*11mm,5	1	SA	
VE14	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA	
VE3	2401-001479	C-AL;470uF,20%,10V,GP,TP,6.3*11mm,5	1	SA	
VE5	2401-001479	C-AL;470uF,20%,10V,GP,TP,6.3*11mm,5	1	SA	
VE7	2401-001479	C-AL;470uF,20%,10V,GP,TP,6.3*11mm,5	1	SA	
VE9	2401-001479	C-AL;470uF,20%,10V,GP,TP,6.3*11mm,5	1	SA	
VGC1	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
VGQ1	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	1	SA	
VGQ2	0504-000156	TR-DIGITAL;KSR2103,PNP,200MW,22K/22K,SOT	1	SA	
VGR1	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
VIC1	1201-002085	IC-VIDEO AMP;MM1623XFBE,SOP-28D,28P,17.7	1	SA	
VIC2	1001-001293	IC-VIDEO SWITCH;MM1507XNRE,-,SOT-26A,6P,	1	SA	
VIC3	1204-001927	IC-AUDIO PROCESSOR;MM1501,SOT,6P,-,PLAST	1	SA	
VIC4	1204-001748	IC-SELECTOR;MM1503XN,SOP,6P,63MIL,PLASTI	1	SA	
VL5	2703-001973	INDUCTOR-SMD;2.7uH,10%,1608	1	SA	
VL6	2703-001973	INDUCTOR-SMD;2.7uH,10%,1608	1	SA	
VR10	2007-000119	R-CHIP;560ohm,5%,1/10W,TP,1608	1	SA	
VR11	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	SA	
VR12	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	SA	
VR13	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	SA	
VR14	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA	
VR15	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA	
VR16	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA	
VR23	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	SA	

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Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
VR31	2007-001167	R-CHIP,75ohm,5%,1/10W,TP,1608	1	SA	
VR34	2007-001167	R-CHIP,75ohm,5%,1/10W,TP,1608	1	SA	
VR35	2007-001167	R-CHIP,75ohm,5%,1/10W,TP,1608	1	SA	
VR9	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
VZ10	0403-001083	DIODE-ZENER;UDZ9.1B,8.85-9.23V,200MW,UMD	1	SA	
VZ5	0403-001083	DIODE-ZENER;UDZ9.1B,8.85-9.23V,200MW,UMD	1	SA	
VZ6	0403-001083	DIODE-ZENER;UDZ9.1B,8.85-9.23V,200MW,UMD	1	SA	
VZ7	0403-001083	DIODE-ZENER;UDZ9.1B,8.85-9.23V,200MW,UMD	1	SA	
VZ8	0403-001083	DIODE-ZENER;UDZ9.1B,8.85-9.23V,200MW,UMD	1	SA	
VZ9	0403-001083	DIODE-ZENER;UDZ9.1B,8.85-9.23V,200MW,UMD	1	SA	
W68	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	1	SA	
W71	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	1	SA	
ZD1	0403-000720	DIODE-ZENER;MTZJ9.1B,8.57-9.01V,500MW,DO	1	SC	
ZD2	0403-000390	DIODE-ZENER;UZP33B,31.4-34.6V,1000MW,DO-	1	SA	
H001	**AK97-01211A**	**ASSY-ASSY LOADER DRIVE;-,SV-R250,ASSY LO**	**1**	**SA**	
W019	6003-001478	SCREW-TAPTITE;PH,+,B,M2.6,L8,ZPC(YEL)	2	SA	
	AKS2-00595A	ASSY PCB-FRONT END;SV-R250,FRONT-END PCB	1	SA	
	AC39-40098E	ASSY PCB-FRONT END,c;SV-R250,FRONT-END P	1	SNA	
	0202-001221	SOLDER-CREAM;PF305-116HO(A),-,25~45 ß≠,9	4.04	SNA	
	AK41-00352A	PCB MAIN-F/END;SV-R2500,EPOXY,4,-,T1.2,1	0.5	SNA	
AR1	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
AR2	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
AR3	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
CC1	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
CC2	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	1	SA	
CC3	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
CIC1	1203-003177	IC-VOL. DETECTOR;BD5326G,SSOP,5P,2.9x1.6	1	SA	
CON1	3708-002092	CONNECTOR-FPC/FFC/PIC;54P,0.5mm,SMD-A,SN	1	SA	
CON2	3708-002018	CONNECTOR-FPC/FFC/PIC,4P,1MM,SMD-A,SN,N,	1	SA	
CON3	3708-001878	CONNECTOR-FPC/FFC/PIC;6P,1MM,SMD-A,SNPB,	1	SA	
CON4	3708-002067	CONNECTOR-FPC/FFC/PIC;12P,1mm,SMD-A,SN,N	1	SA	
CR1	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
CR13	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
CR2	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
CR3	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
CR4	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
CR5	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
CR6	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
CR7	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA	
JP9	3708-001331	CONNECTOR-FPC/FFC/PIC,40P,0.5mm,SMD-A,AU	1	SA	
PC12	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.	1	SA	
PC14	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
PC15	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
PC17	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.	1	SA	
PC18	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.	1	SA	
PC19	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.	1	SA	
PC20	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
PC21	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.	1	SA	
PC22	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
PC8	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.	1	SA	
PC9	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
PCN	3711-005477	HEADER-BOARD TO CABLE;BOX,4P,1R,2mm,SMD-	1	SA	
PIC2	1203-003176	IC-MULTI REG.;BA33C18HFP,HRP,5P,9.39X6MM	1	SA	
PL1	2901-001281	FILTER-EMI SMD;16V,2A,-,220000pF,2.00x1.	1	SA	
PL2	2901-001281	FILTER-EMI SMD;16V,2A,-,220000pF,2.00x1.	1	SA	
PL4	2901-001281	FILTER-EMI SMD;16V,2A,-,220000pF,2.00x1.	1	SA	
PL5	2901-001281	FILTER-EMI SMD;16V,2A,-,220000pF,2.00x1.	1	SA	
PL6	2901-001281	FILTER-EMI SMD;16V,2A,-,220000pF,2.00x1.	1	SA	
R118	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA	
R119	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA	
R51	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
RC1	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
RC10	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
RC11	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
RC12	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
RC13	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
RC14	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528	1	SA	
RC15	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
RC16	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
RC17	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	1	SA	
RC18	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
RC19	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	1	SA	
RC2	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528	1	SA	
RC20	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
RC21	2203-001697	C-CER,CHIP;0.082nF,5%,50V,NP0,1608	1	SA	
RC22	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
RC23	2203-001697	C-CER,CHIP;0.082nF,5%,50V,NP0,1608	1	SA	
RC24	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
RC25	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
RC26	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
RC27	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	1	SA	
RC28	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
RC29	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	1	SA	
RC3	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
RC30	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
RC31	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
RC32	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	1	SA	
RC33	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528	1	SA	
RC34	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528	1	SA	
RC35	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528	1	SA	
RC36	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
RC37	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
RC38	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
RC39	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
RC4	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
RC40	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
RC41	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
RC42	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
RC43	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
RC44	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
RC45	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
RC46	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	1	SA	
RC47	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
RC48	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
RC5	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
RC50	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528	1	SA	
RC51	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
RC52	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
RC53	2203-000560	C-CER,CHIP;220nF,+80-20%,25V,Y5V,TP,1608	1	SA	

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Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
RC54	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
RC55	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
RC56	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
RC57	2203-000560	C-CER,CHIP;220nF,+80-20%,25V,Y5V,TP,1608	1	SA	
RC58	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
RC59	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
RC6	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	1	SA	
RC60	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528	1	SA	
RC61	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
RC62	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
RC63	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	1	SA	
RC64	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
RC65	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	1	SA	
RC67	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	1	SA	
RC7	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	1	SA	
RC74	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,TP,1608	1	SA	
RC75	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
RC76	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	1	SA	
RC77	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	1	SA	
RC8	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,TP,1608	1	SA	
RC9	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
RD32	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528	1	SA	
RIC1	1001-001183	IC-ANALOG SWITCH;MAX4684EUB,-,TSSOP,10P,	1	SA	
RIC2	AK13-00018A	IC ASIC;S1L1491X,-,128 PIN,7V,-0 ~ +70	1	SNA	
RR1	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
RR10	2007-001161	R-CHIP;75Kohm,5%,1/10W,TP,1608	1	SA	
RR11	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
RR12	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
RR13	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
RR14	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
RR15	2007-000591	R-CHIP;22ohm,1%,1/10W,TP,1608	1	SA	
RR16	2007-000591	R-CHIP;22ohm,1%,1/10W,TP,1608	1	SA	
RR17	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
RR18	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
RR19	2007-000106	R-CHIP;220Kohm,5%,1/10W,TP,1608	1	SA	
RR2	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
RR20	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
RR21	2007-000431	R-CHIP;16Kohm,5%,1/10W,TP,1608	1	SA	
RR22	2007-000109	R-CHIP;1Mohm,5%,1/10W,TP,1608	1	SA	
RR23	2007-000106	R-CHIP;220Kohm,5%,1/10W,TP,1608	1	SA	
RR24	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
RR25	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	1	SA	
RR26	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
RR27	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
RR28	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
RR29	2007-001056	R-CHIP;6.2Kohm,5%,1/10W,TP,1608	1	SA	
RR3	2007-000591	R-CHIP;22ohm,1%,1/10W,TP,1608	1	SA	
RR30	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	SA	
RR31	2007-000616	R-CHIP;24Kohm,5%,1/10W,TP,1608	1	SA	
RR32	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
RR33	2007-000098	R-CHIP;56Kohm,5%,1/10W,TP,1608	1	SA	
RR34	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
RR35	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
RR36	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA	
RR37	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	SA	
RR38	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
RR39	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
RR4	2007-000591	R-CHIP;22ohm,1%,1/10W,TP,1608	1	SA	
RR40	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
RR400	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
RR41	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	SA	
RR42	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	SA	
RR5	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	SA	
RR6	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	SA	
RR7	2007-000616	R-CHIP;24Kohm,5%,1/10W,TP,1608	1	SA	
RR8	2007-000079	R-CHIP;1.8Kohm,5%,1/10W,TP,1608	1	SA	
RR9	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
U1	1107-001546	IC-FLASH MEMORY;29LV400B,512Kx8/256Kx16B	1	SNA	
U8	AK13-00017A	IC ASIC;S5L1482A01,BD-R1000,256,3.3V,0	1	SNA	
U9	1107-001369	IC-FLASH MEMORY;29LV800,8Mbit,1Mx8/512Kx	1	SNA	
UB1	1105-001305	IC-DRAM;4S641632,-,64MBIT,1MX16X4BIT,T	1	SA	
UC1	2203-000998	C-CER,CHIP;0.047NF,5%,50V,C0G,TP,1608	1	SA	
UC10	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528	1	SA	
UC11	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528	1	SA	
UC12	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528	1	SA	
UC13	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
UC14	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
UC15	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
UC16	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
UC17	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
UC18	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
UC19	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
UC2	2203-000998	C-CER,CHIP;0.047NF,5%,50V,C0G,TP,1608	1	SA	
UC20	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
UC21	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
UC22	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
UC23	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
UC24	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
UC25	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
UC26	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
UC27	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	1	SA	
UC28	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
UC29	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
UC3	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
UC30	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
UC31	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
UC32	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
UC33	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
UC34	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
UC35	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
UC36	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
UC37	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
UC38	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
UC39	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
UC4	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
UC40	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
UC41	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
UC42	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
UC43	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
UC44	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	

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Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
UC45	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
UC46	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
UC48	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
UC49	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
UC5	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
UC50	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
UC51	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
UC52	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
UC53	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528	1	SA	
UC54	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
UC55	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528	1	SA	
UC56	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
UC57	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528	1	SA	
UC58	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
UC59	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528	1	SA	
UC6	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
UC60	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
UC61	2203-000357	C-CER,CHIP,0.15NF,5%,50V,C0G,TP,1608	1	SA	
UC62	2203-001071	C-CER,CHIP,0.056nF,5%,50V,C0G,1608	1	SA	
UC63	2203-000384	C-CER,CHIP;0.015NF,5%,50V,C0G,TP,1608	1	SA	
UC64	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	1	SA	
UC65	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	1	SA	
UC66	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	1	SA	
UC67	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	1	SA	
UC68	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	1	SA	
UC69	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	1	SA	
UC7	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
UC70	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	1	SA	
UC71	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	1	SA	
UC72	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	1	SA	
UC73	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	1	SA	
UC74	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	1	SA	
UC75	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	1	SA	
UC76	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	1	SA	
UC77	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	1	SA	
UC78	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	1	SA	
UC79	2203-000236	C-CER,CHIP,0.1NF,5%,50V,C0G,TP,1608	1	SA	
UC8	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
UC9	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
UR1	2011-000475	R-NET;33OHM,5%,1/16W,L,CHIP,8P,TP,32	1	SA	
UR10	2007-000115	R-CHIP;82ohm,5%,1/10W,TP,1608	1	SA	
UR11	2007-000115	R-CHIP;82ohm,5%,1/10W,TP,1608	1	SA	
UR12	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
UR13	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
UR14	2007-000115	R-CHIP;82ohm,5%,1/10W,TP,1608	1	SA	
UR15	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	SA	
UR16	2007-000109	R-CHIP;1Mohm,5%,1/10W,TP,1608	1	SA	
UR18	2007-000704	R-CHIP;3.6Kohm,5%,1/10W,TP,1608	1	SA	
UR2	2011-000475	R-NET;33OHM,5%,1/16W,L,CHIP,8P,TP,32	1	SA	
UR20	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
UR21	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
UR22	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
UR23	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
UR24	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
UR25	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
UR26	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
UR27	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
UR28	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
UR29	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
UR3	2011-000475	R-NET;33OHM,5%,1/16W,L,CHIP,8P,TP,32	1	SA	
UR30	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	SA	
UR31	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
UR32	2007-000134	R-CHIP;33Kohm,5%,1/10W,TP,1608	1	SA	
UR36	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA	
UR37	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
UR38	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
UR39	2007-000125	R-CHIP;3.9Kohm,5%,1/10W,TP,1608	1	SA	
UR4	2011-000475	R-NET;33OHM,5%,1/16W,L,CHIP,8P,TP,32	1	SA	
UR40	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
UR42	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
UR44	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
UR45	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
UR48	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
UR49	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
UR5	2011-001085	R-NET;82OHM,5%,1/16W,L,CHIP,8P,TP	1	SA	
UR50	2007-000119	R-CHIP;560ohm,5%,1/10W,TP,1608	1	SA	
UR51	2007-000124	R-CHIP;2.2Kohm,5%,1/10W,TP,1608	1	SA	
UR52	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
UR54	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
UR55	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA	
UR58	2007-000124	R-CHIP;2.2Kohm,5%,1/10W,TP,1608	1	SA	
UR59	2007-000121	R-CHIP;820ohm,5%,1/10W,TP,1608	1	SA	
UR6	2007-000115	R-CHIP;82ohm,5%,1/10W,TP,1608	1	SA	
UR60	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
UR61	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
UR62	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
UR63	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
UR65	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
UR66	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
UR68	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
UR69	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
UR7	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
UR71	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
UR72	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
UR73	3301-001419	BEAD-SMD;220ohm,1608,500mA,TP,133ohm/70	1	SA	
UR74	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
UR75	3301-001419	BEAD-SMD;220ohm,1608,500mA,TP,133ohm/70	1	SA	
UR76	3301-001419	BEAD-SMD;220ohm,1608,500mA,TP,133ohm/70	1	SA	
UR77	3301-001419	BEAD-SMD;220ohm,1608,500mA,TP,133ohm/70	1	SA	
UR78	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
UR8	2007-000115	R-CHIP;82ohm,5%,1/10W,TP,1608	1	SA	
UR9	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
VC1	2203-000843	C-CER,CHIP;39nF,10%,25V,X7R,TP,1608,-	1	SA	
VC10	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
VC11	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
VC12	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528	1	SA	
VC13	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
VC14	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	1	SA	
VC15	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
VC16	2404-000212	C-TA,CHIP;3.3uF,20%,25V,-,TP,3528	1	SA	

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Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
VC19	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
VC2	2203-000843	C-CER,CHIP;39nF,10%,25V,X7R,TP,1608,-	1	SA	
VC20	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
VC21	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
VC23	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	1	SA	
VC3	2203-000843	C-CER,CHIP;39nF,10%,25V,X7R,TP,1608,-	1	SA	
VC4	2203-000843	C-CER,CHIP;39nF,10%,25V,X7R,TP,1608,-	1	SA	
VC5	2203-000843	C-CER,CHIP;39nF,10%,25V,X7R,TP,1608,-	1	SA	
VC6	2203-000843	C-CER,CHIP;39nF,10%,25V,X7R,TP,1608,-	1	SA	
VC7	2203-000491	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1608,-	1	SA	
VC8	2203-000491	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1608,-	1	SA	
VC9	2203-000491	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1608,-	1	SA	
VIC1	1003-001780	IC-MOTOR DRIVER;BD7954FS,SSOP,54P,22x11.	1	SA	
VR1	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA	
VR10	2007-000034	R-CHIP;10HM,5%,1/4W,TP,3216	1	SA	
VR11	2007-000034	R-CHIP;10HM,5%,1/4W,TP,3216	1	SA	
VR12	2007-000034	R-CHIP;10HM,5%,1/4W,TP,3216	1	SA	
VR13	2007-000502	R-CHIP;2.2ohm,5%,1/8W,TP,2012	1	SA	
VR14	2007-000502	R-CHIP;2.2ohm,5%,1/8W,TP,2012	1	SA	
VR15	2007-000502	R-CHIP;2.2ohm,5%,1/8W,TP,2012	1	SA	
VR16	2007-000502	R-CHIP;2.2ohm,5%,1/8W,TP,2012	1	SA	
VR17	2007-000965	R-CHIP;5.1Kohm,5%,1/10W,TP,1608	1	SA	
VR18	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA	
VR19	2007-000093	R-CHIP;20Kohm,5%,1/10W,TP,1608	1	SA	
VR2	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
VR20	2007-000093	R-CHIP;20Kohm,5%,1/10W,TP,1608	1	SA	
VR21	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
VR22	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
VR23	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	1	SA	
VR24	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	1	SA	
VR27	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
VR28	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
VR3	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
VR4	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
VR5	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
VR6	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	1	SA	
VR7	2007-001179	R-CHIP;8.2Kohm,5%,1/10W,TP,1608	1	SA	
VR8	2007-001179	R-CHIP;8.2Kohm,5%,1/10W,TP,1608	1	SA	
VR9	2007-000034	R-CHIP;10HM,5%,1/4W,TP,3216	1	SA	
Y1	2801-004180	CRYSTAL-SMD;33.8688MHZ,50PPM,28-AAN,12PF	1	SA	
	AC99-90119M	ASSY PCB-FRONT END,m;SV-R250,FRONT-END P	1	SNA	
	0202-001214	SOLDER-WIRE FLUX;HI-ALMIT HR19M LFM2,-,D	0.167	SNA	
H001	AK97-01202A	ASSY-RECORDER DECK;ASSY,DP-R2,DP-R2	1	SNA	
W019	6003-001449	SCREW-TAPTITE;BH,+,B,M2.6,L6,NI PLT	5	SA	
W019	6003-001199	SCREW-TAPTITE;PWH,+,B,M2,L7,ZPC(YEL),SWR	4	SA	
W019	6003-001449	SCREW-TAPTITE;BH,+,B,M2.6,L6,NI PLT	2	SA	
H105	6602-001076	BELT-RECTANGULAR;CR,T1.2,4.3%,1.2X25.1,B	1	SA	
S.N.A.	3409-001138	SWITCH-DETECTOR;5V DC,1A,DPST,30GF,-	1	SA	
S.N.A.	AK31-00001A	MOTOR-LOADING;RF-300EH-1D390,DP-9,160MA,	1	SA	
W291	6001-001291	SCREW-MACHINE;CH(0.5),*,-,M1.7,L4,ZPC(BL	3	SA	
W019	6003-001148	SCREW-TAPTITE;PH,+,B,M1.7,L6,ZPC(BLK),SW	1	SA	
W018	6003-001450	SCREW-TAPTITE;PH,+,S,M2.6,L5,ZPC(YEL)	2	SA	
W212	6003-001251	SCREW-TAPTITE;CH,+,B,M1.7,L3,ZPC(YEL),SW	1	SA	
W212	6003-001251	SCREW-TAPTITE;CH,+,B,M1.7,L3,ZPC(YEL),SW	2	SA	
W291	6001-001719	SCREW-MACHINE;CH,+,M1.7,L4,NI PLT	1	SA	

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S.N.A	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	2	SA	
S.N.A	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	1	SA	
S.N.A	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA	
S.N.A	2007-000869	R-CHIP;4.7Kohm,1%,1/10W,TP,1608	2	SA	
S.N.A	2007-000929	R-CHIP;470ohm,1%,1/10W,TP,1608	1	SA	
S.N.A	2104-001087	VR-SMD;2.2Kohm,25%,0.15W,TOP	1	SA	
S.N.A	2104-001122	VR-SMD;4700HM,25%,1/10W,TOP	1	SA	
S.N.A	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,1608	8	SA	
S.N.A	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	2	SA	
S.N.A	2203-005664	C-CER,CHIP;4700nF,10%,6.3V,X5R,2012	1	SA	
S.N.A	3301-001419	BEAD-SMD;220ohm,1608,500mA,TP,133ohm/70	2	SA	
S.N.A	3708-002092	CONNECTOR-FPC/FFC/PIC;54P,0.5mm,SMD-A,SN	1	SA	
C005	AK64-01266F	BUTTON-PLAY;DVD-HR721,ABS 94 HB,L36,-,SI	1	SA	
	AK97-01091A	ASSY-BRACKET HDD TOP;SECC T0.8,DVD-HR800	1	SA	
W001	6003-000275	SCREW-TAPTITE;BH,+,B,M3,L10,BLK ,SWCH101	5	SA	
W004	6003-000283	SCREW-TAPTITE;BH,+,B,M3,L8,ZPC(YEL),SWRC	3	SA	
W009	6003-000276	SCREW-TAPTITE;BH,+,B,M3,L10,ZPC(YEL),SWC	10	SA	
W009	6003-000276	SCREW-TAPTITE;BH,+,B,M3,L10,ZPC(YEL),SWC	3	SA	
W268	6003-000254	SCREW-TAPTITE;BH,+,S,M3,L6,ZPC(WHT),SM20	1	SA	
W270	6001-000742	SCREW-MACHINE;PH,+,UNC6-32,L4.2,ZPC(WHT)	4	SA	
W271	6009-001411	SCREW-SPECIAL;TH,+,-,M5,L14,NI PLT,SWRCH	2	SA	
W272	6003-001464	SCREW-TAPTITE;BH,+,B,M3,L10,ZPC(WHT)	1	SA	
W275	6003-001561	SCREW-TAPTITE;BH,+,-,B,M3,L6,ZPC(YEL),SW	14	SA	
W307	6001-001868	SCREW-MACHINE;PWH,+,-,M2.6,L4,ZPC(YEL),S	4	SA	
	AK69-00346D	PACKING CASE;DVD-HR721/XEU,SW-2,A-1, OFF	1	SA	
	AC39-42001R	CABLE-A/V;PVC,-,-,3P,-,-,-	1	SA	
	AC39-00017A	CABLE-ETC-RF(PAL);-,MALE/FEMALE,1200MM,R	1	SA	DVD-HR721/XEC
	AC39-00017A	CABLE-ETC-RF(PAL);-,MALE/FEMALE,1200MM,R	1	SA	DVD-HR721/XET
	AC39-00017A	CABLE-ETC-RF(PAL);-,MALE/FEMALE,1200MM,R	1	SA	DVD-HR721/XEG
	AC39-00017A	CABLE-ETC-RF(PAL);-,MALE/FEMALE,1200MM,R	1	SA	DVD-HR721/XEN
	AC39-00017A	CABLE-ETC-RF(PAL);-,MALE/FEMALE,1200MM,R	1	SA	DVD-HR721/XEE
	AC39-00017A	CABLE-ETC-RF(PAL);-,MALE/FEMALE,1200MM,R	1	SA	DVD-HR721/XEO
	AC39-00017A	CABLE-ETC-RF(PAL);-,MALE/FEMALE,1200MM,R	1	SA	DVD-HR721/EUR
	AC39-00018A	CABLE-ETC-RF(SECAM);-,BOTH MALE,120	1	SA	DVD-HR721/XEF
	AC39-00018A	CABLE-ETC-RF(SECAM);-,BOTH MALE,120	1	SA	DVD-HR721/XEB
	AC39-00018A	CABLE-ETC-RF(SECAM);-,BOTH MALE,120	1	SA	DVD-HR721/SED
	AK68-00903N	MANUAL USERS;DVD-HR721,XEO,POL,-,MO	1	SA	DVD-HR721/XEO
	AK68-00903E	MANUAL USERS;DVD-HR721,EUR,ENG,-,MO	1	SA	DVD-HR721/EUR
	AK68-00903D	MANUAL USERS;DVD-HR721,SED,GER,FRA,	1	SA	DVD-HR721/SED

MEMO

8. Block Diagrams

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8-6 TIC1 (TVP5146) Block Diagram ---------- 8-7

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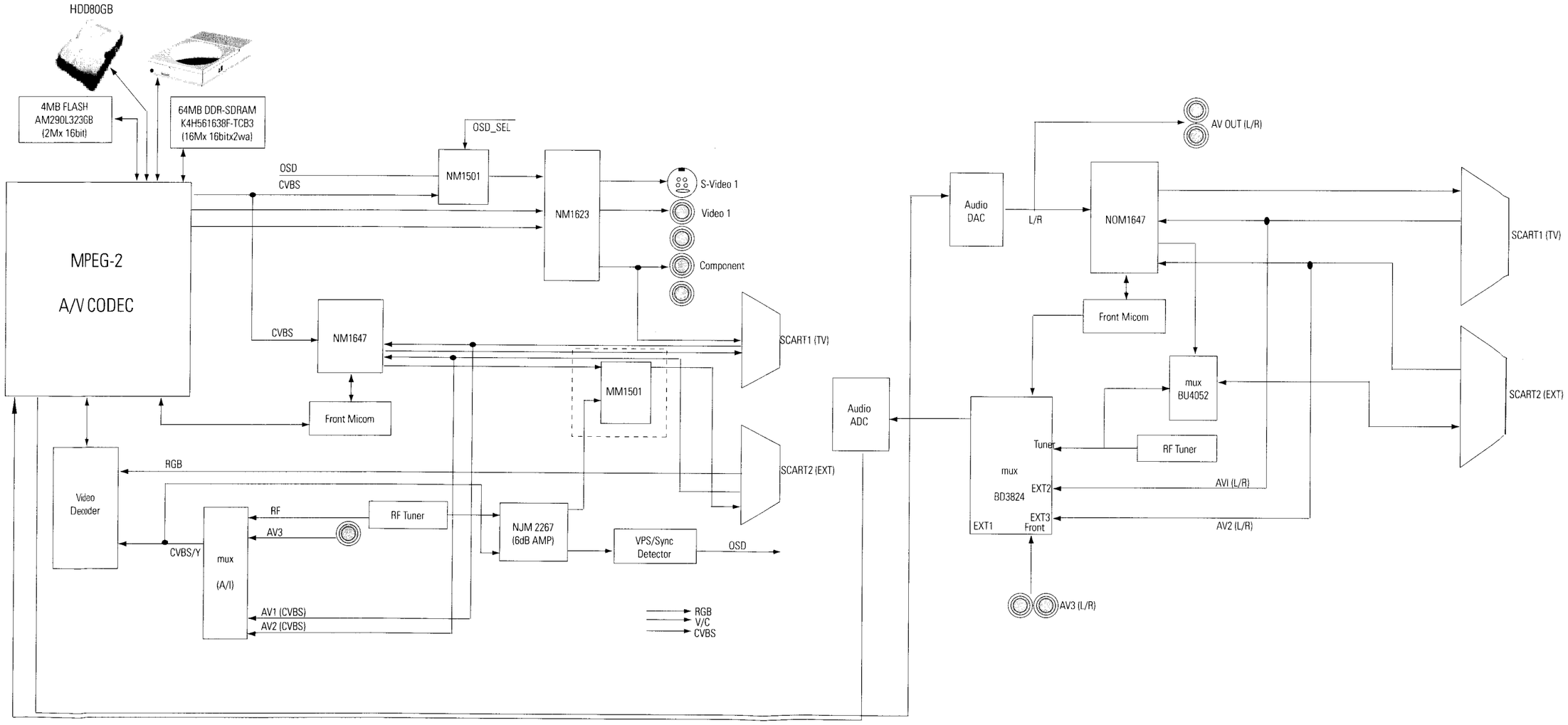
8-1 All Block Diagram



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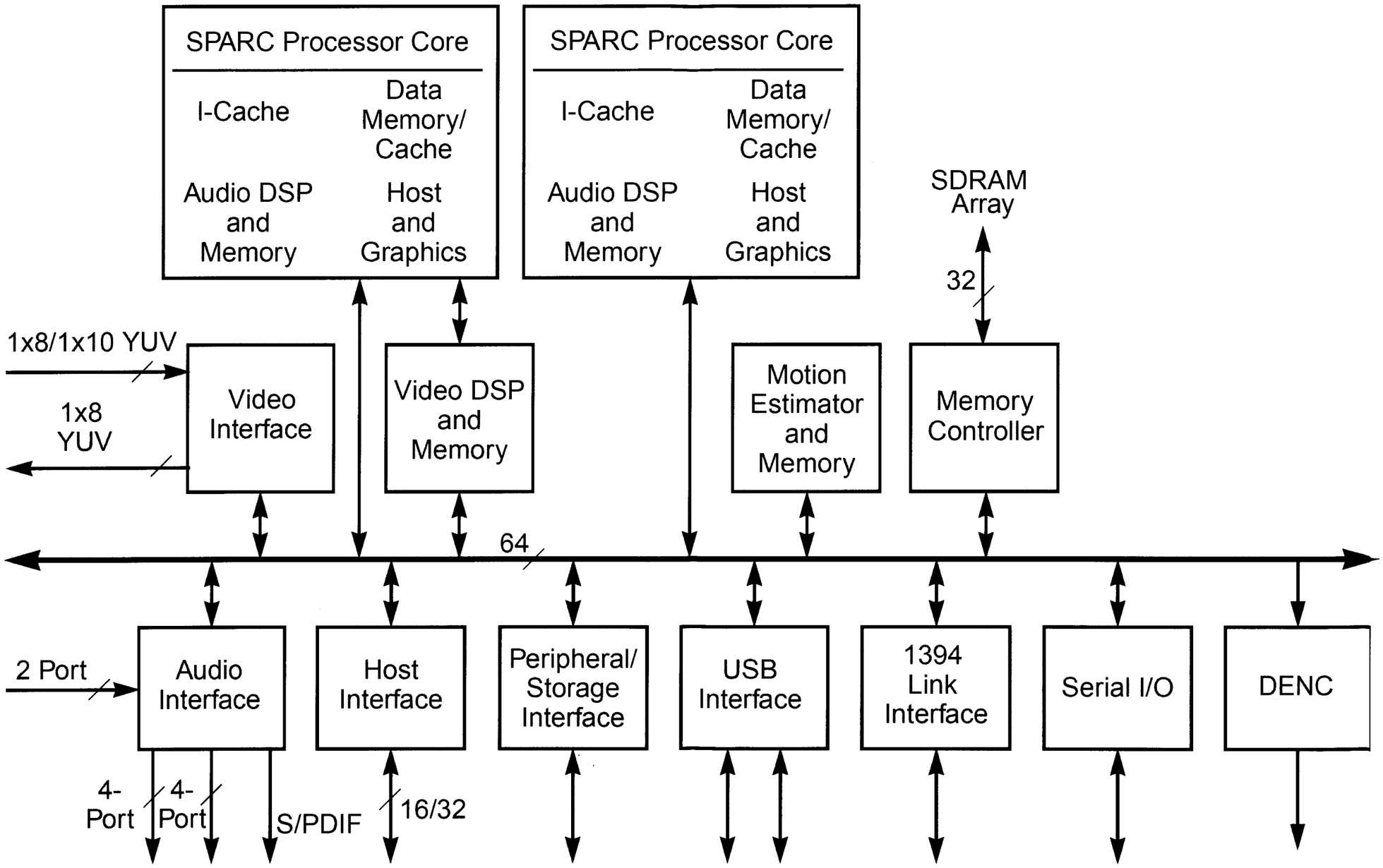
8-2 DIC1 (DMN8602) Block Diagram



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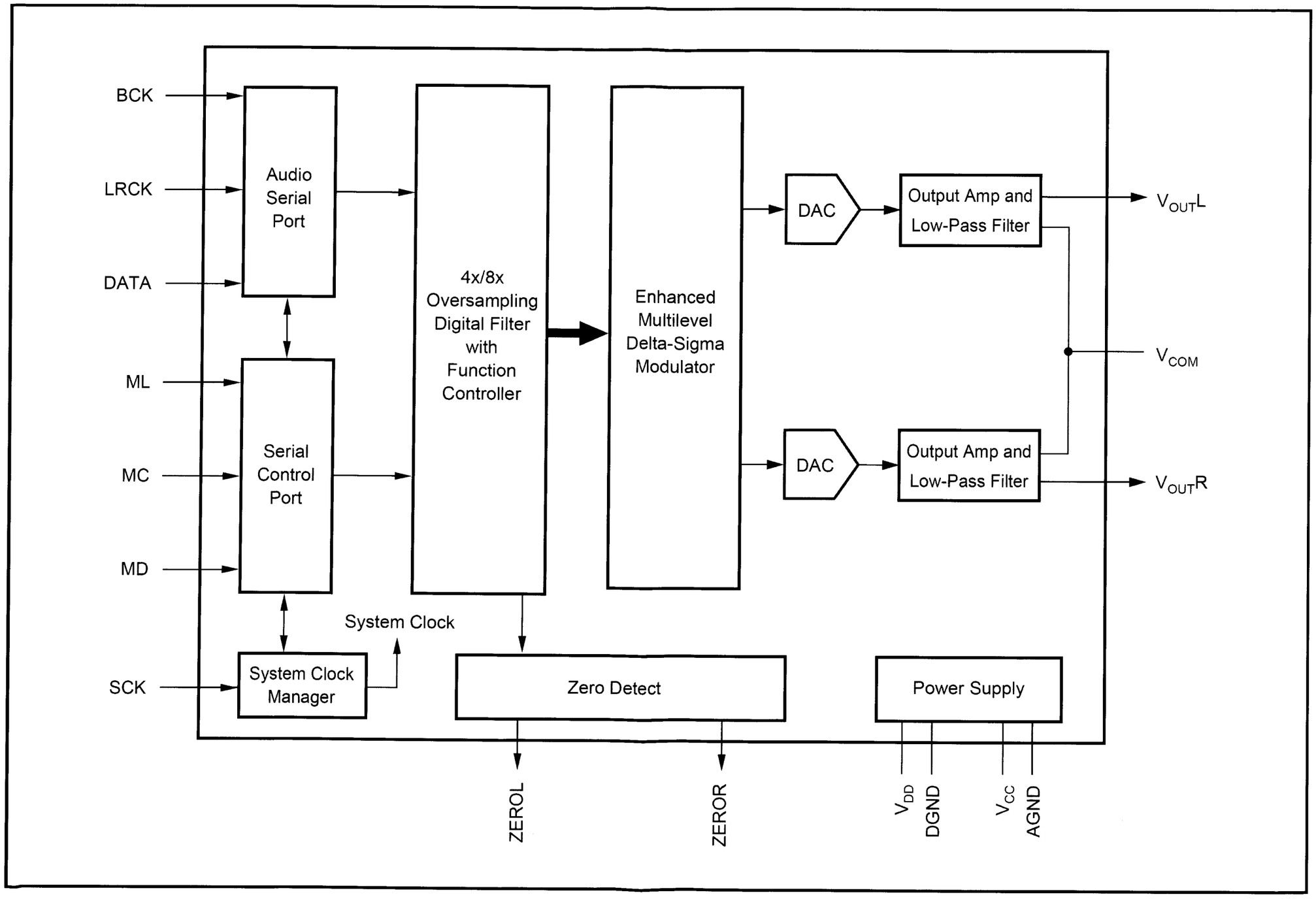
8-3 AIC1 (PCM1742) Block Diagram



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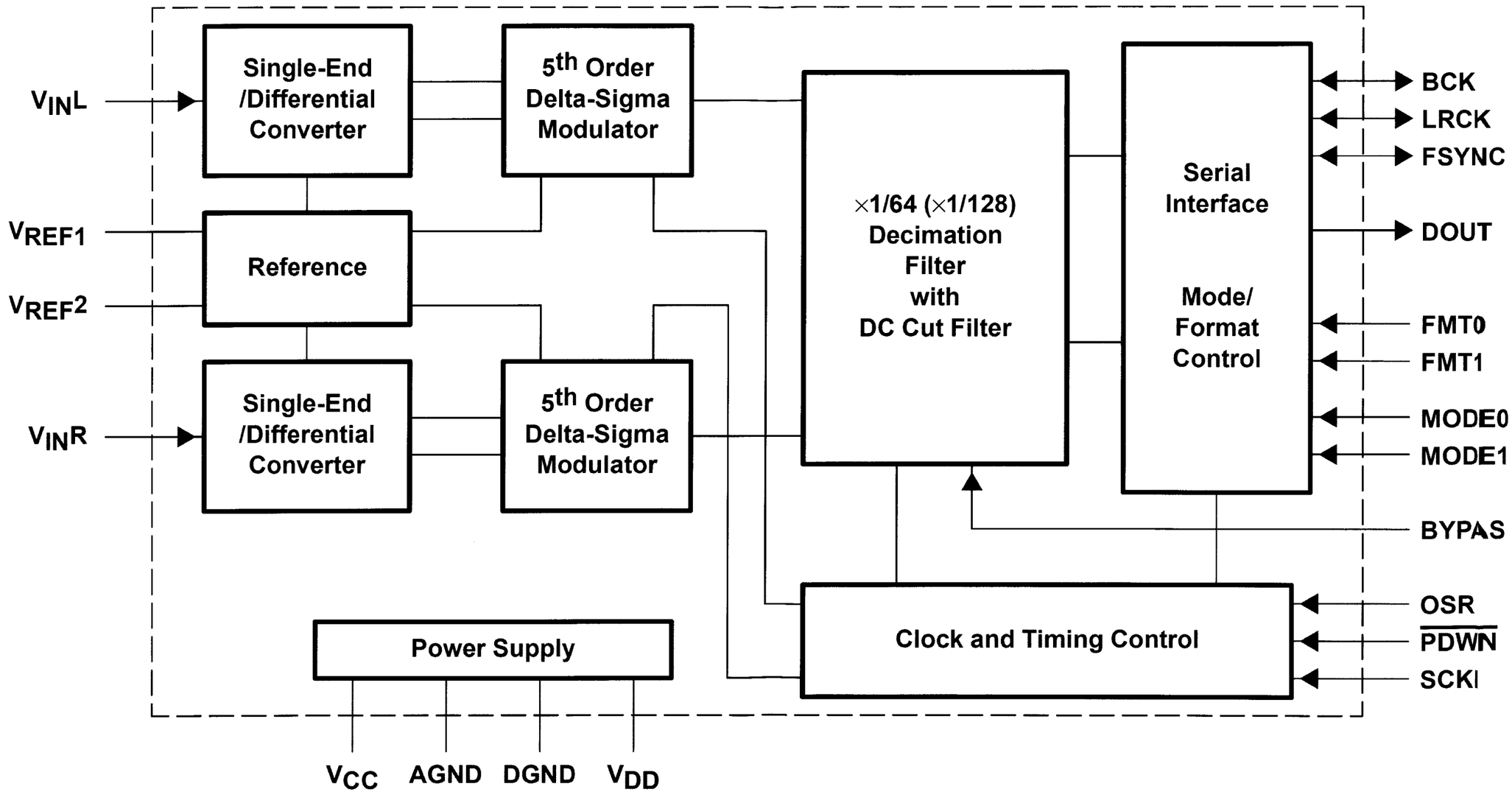
8-4 AIC9 (PCM1802) Block Diagram



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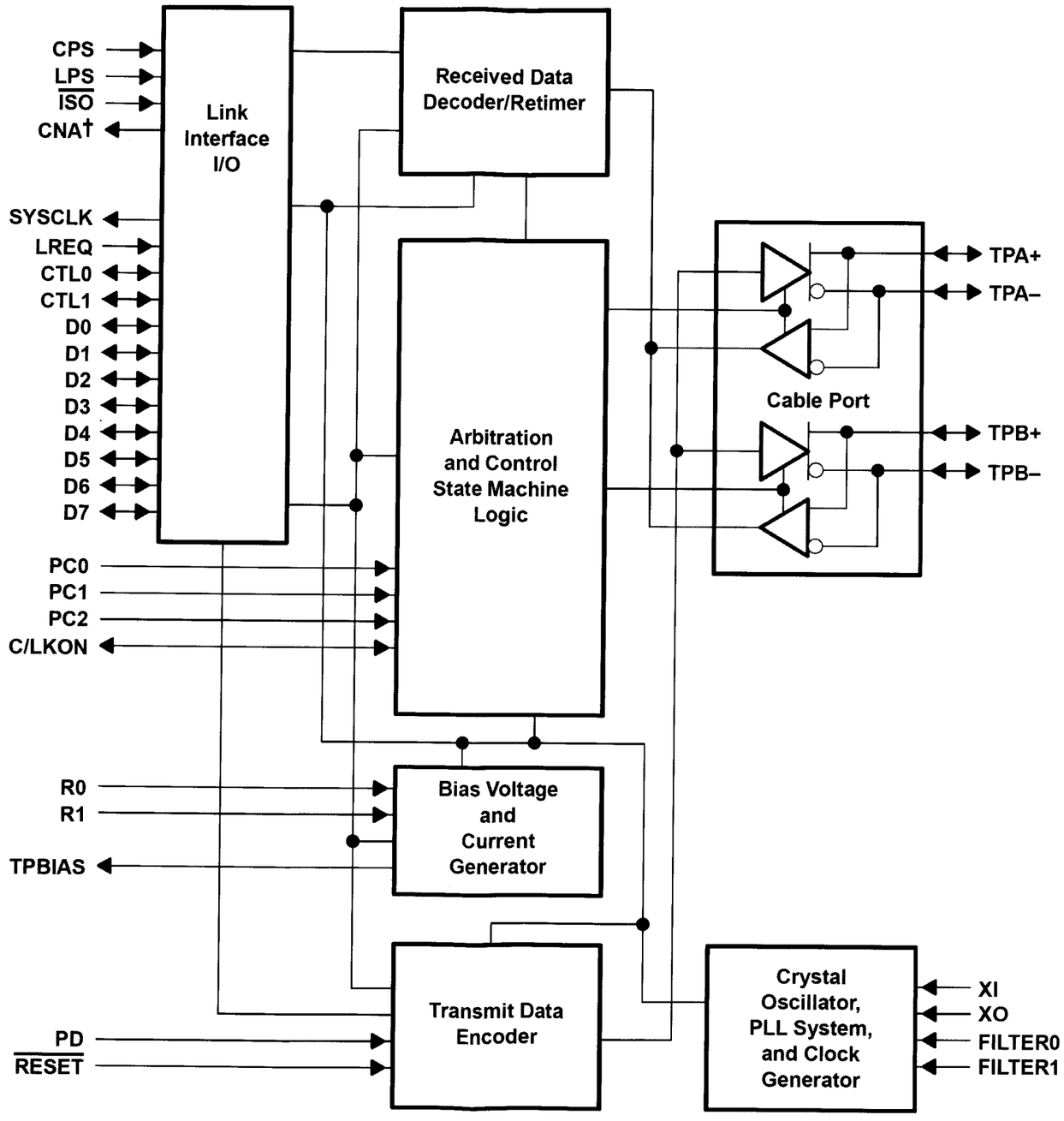
8-5 PIC1 (TSB4AB1) Block Diagram



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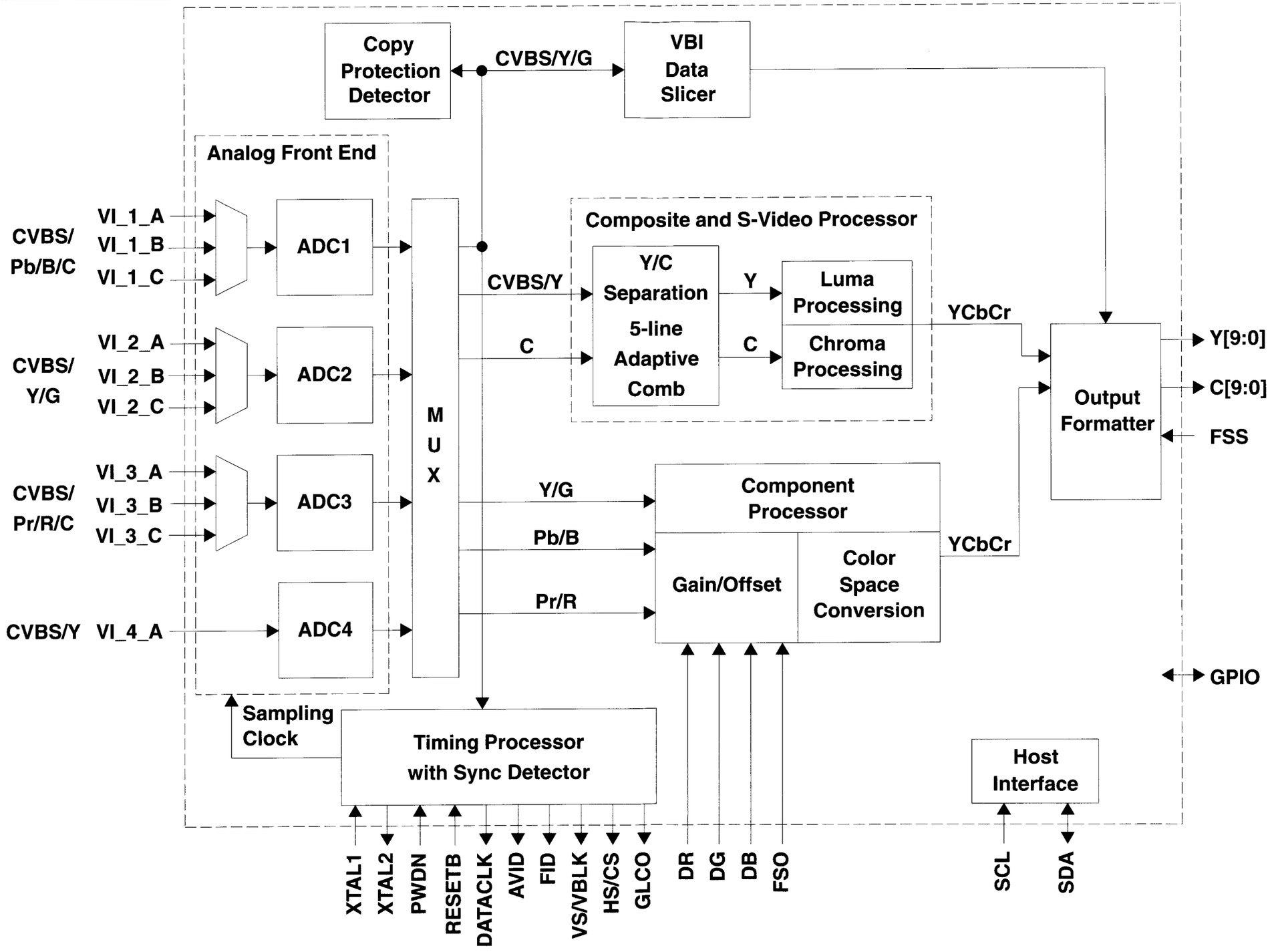
8-6 TIC1 (TVP5146) Block Diagram



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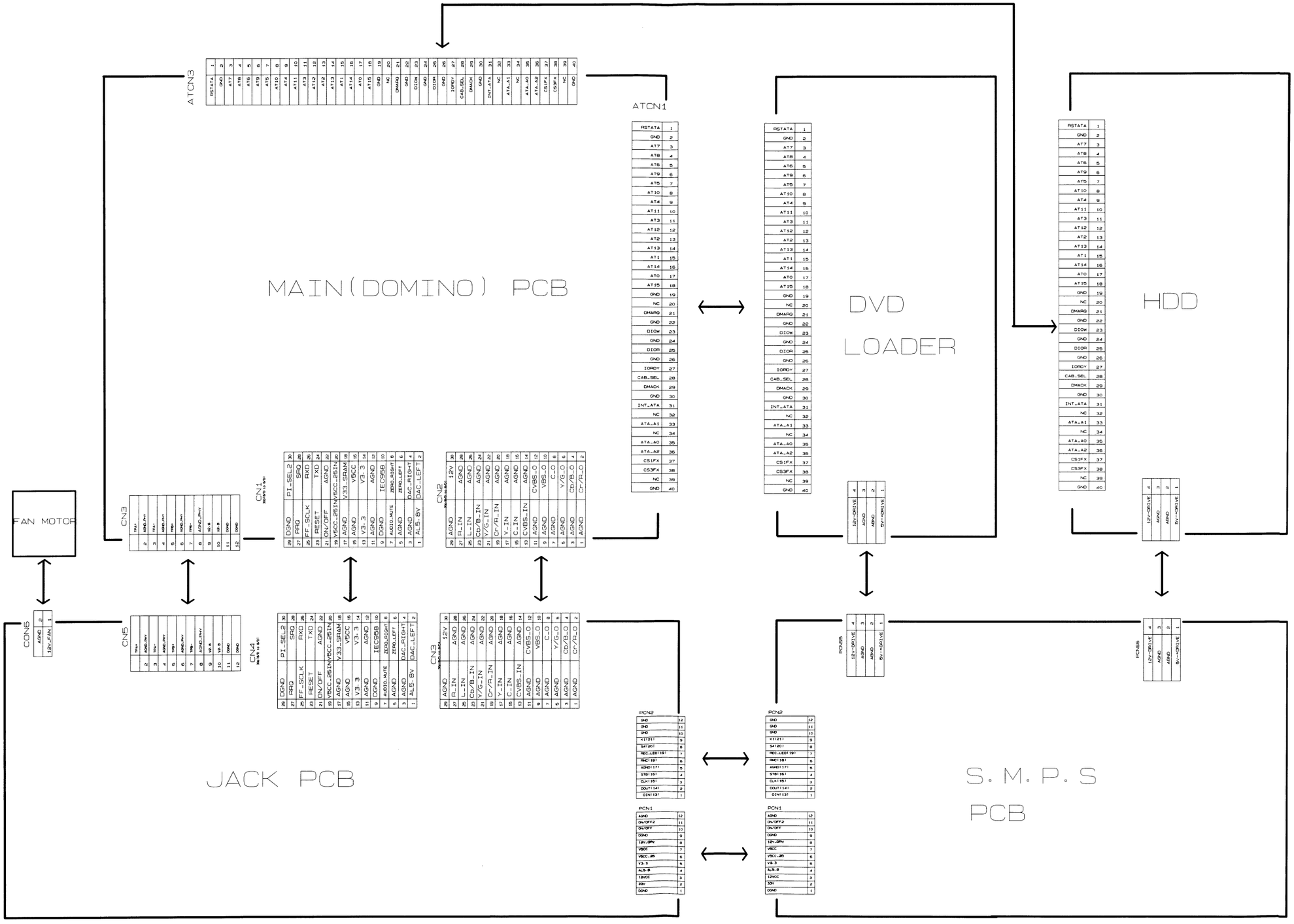
9. Wiring Diagram



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10. PCB Diagrams

10-1 S.M.P.S. PCB ---------- 10-2

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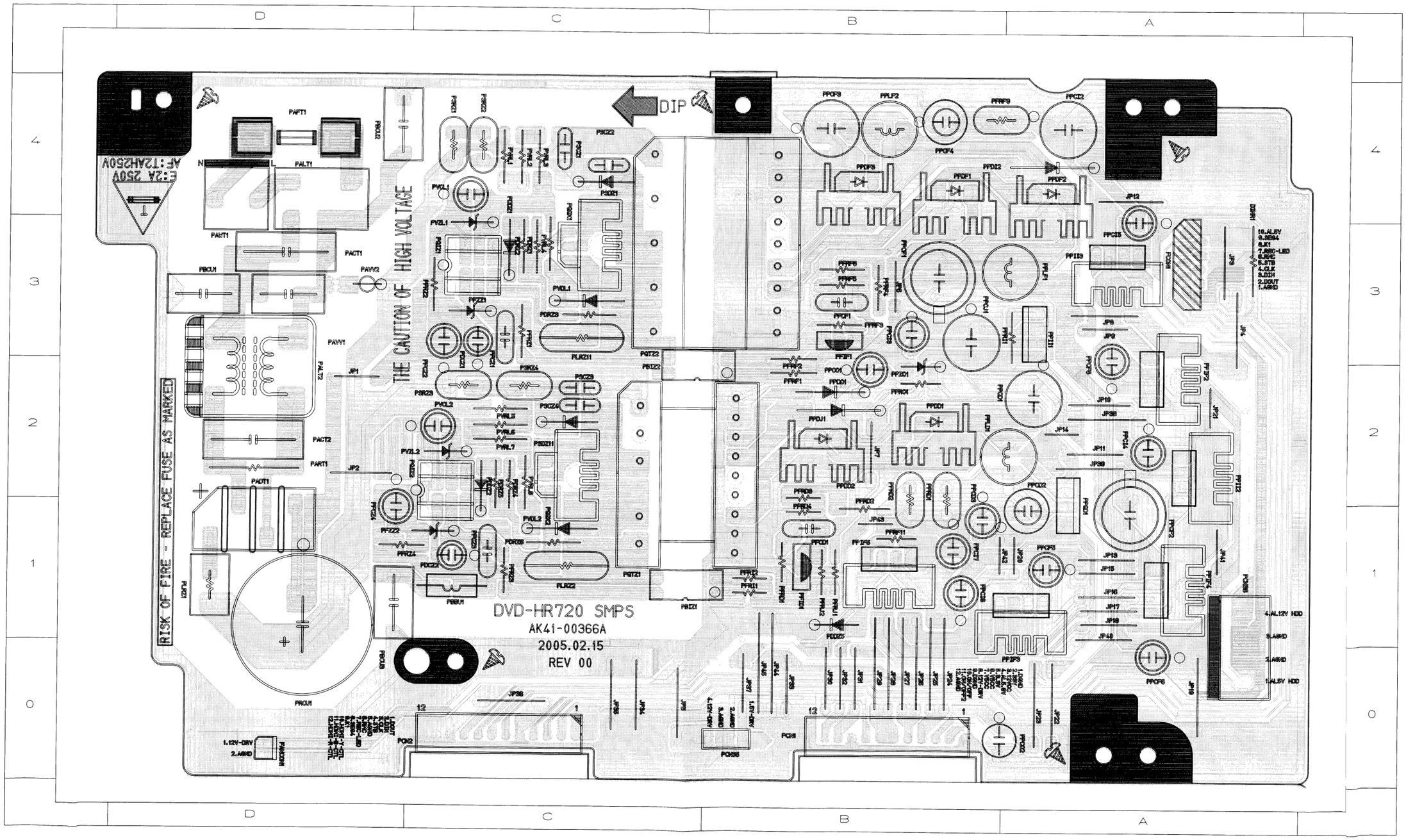
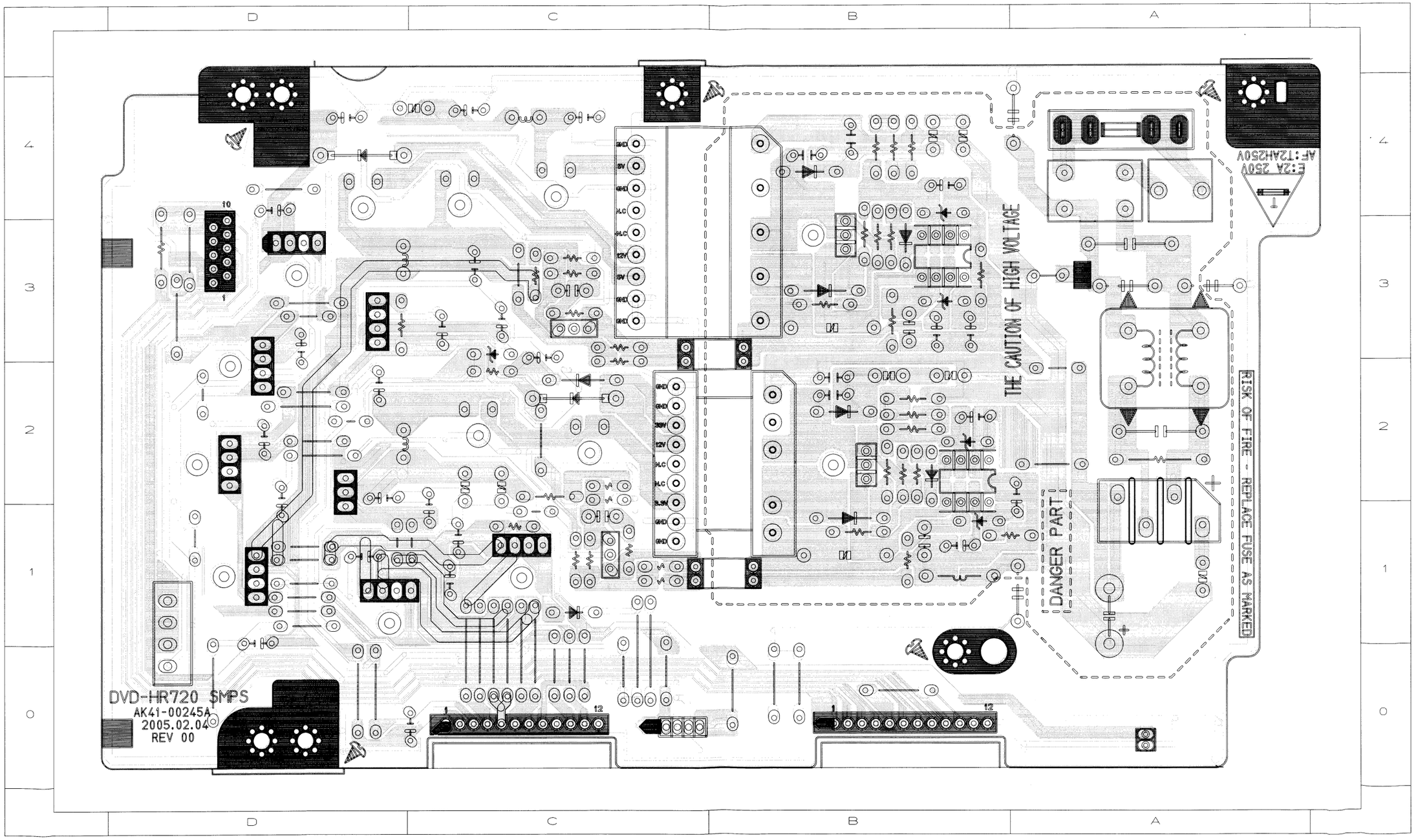
10-1 S.M.P.S. PCB

COMPONENT SIDE

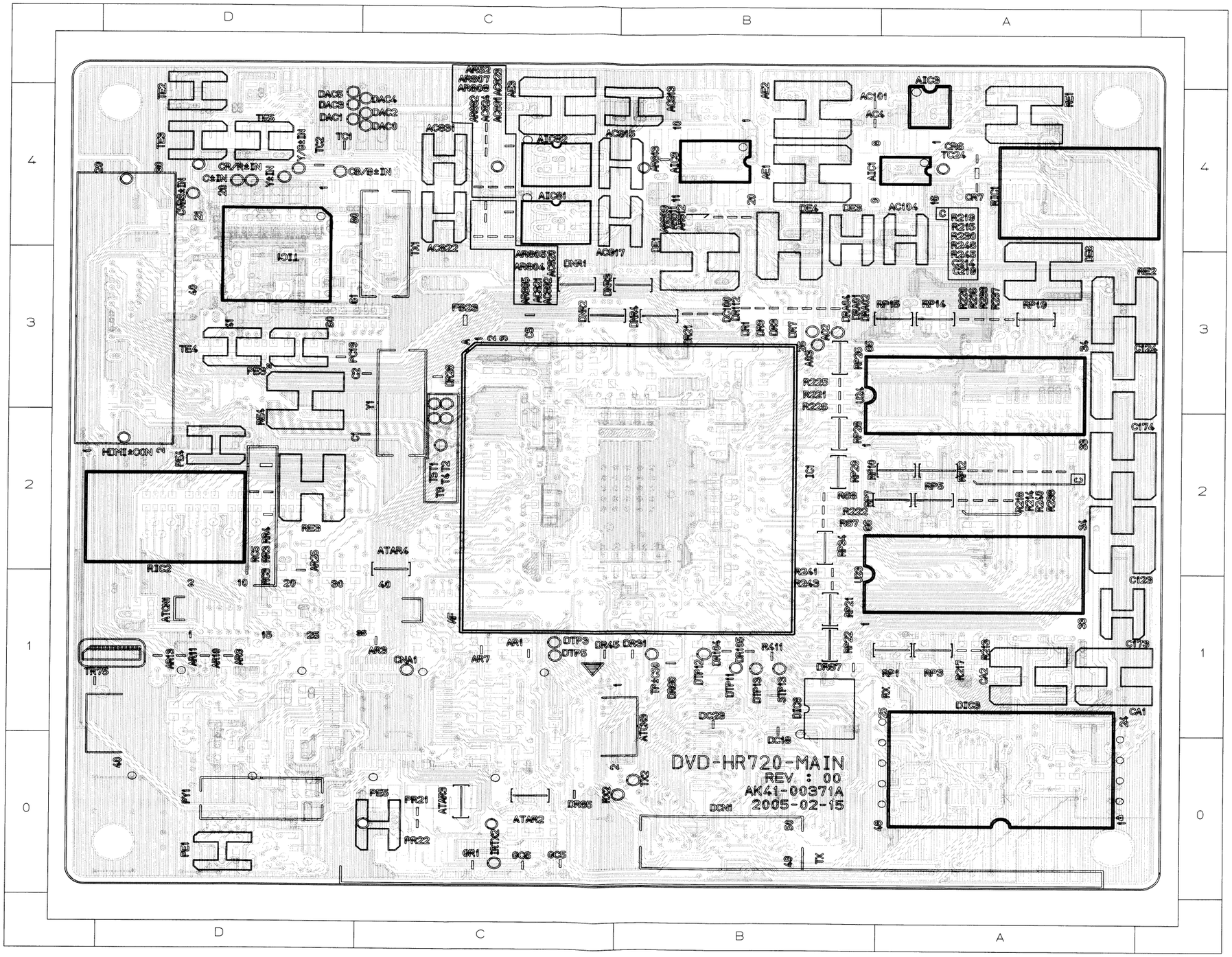


CONDUCTOR SIDE

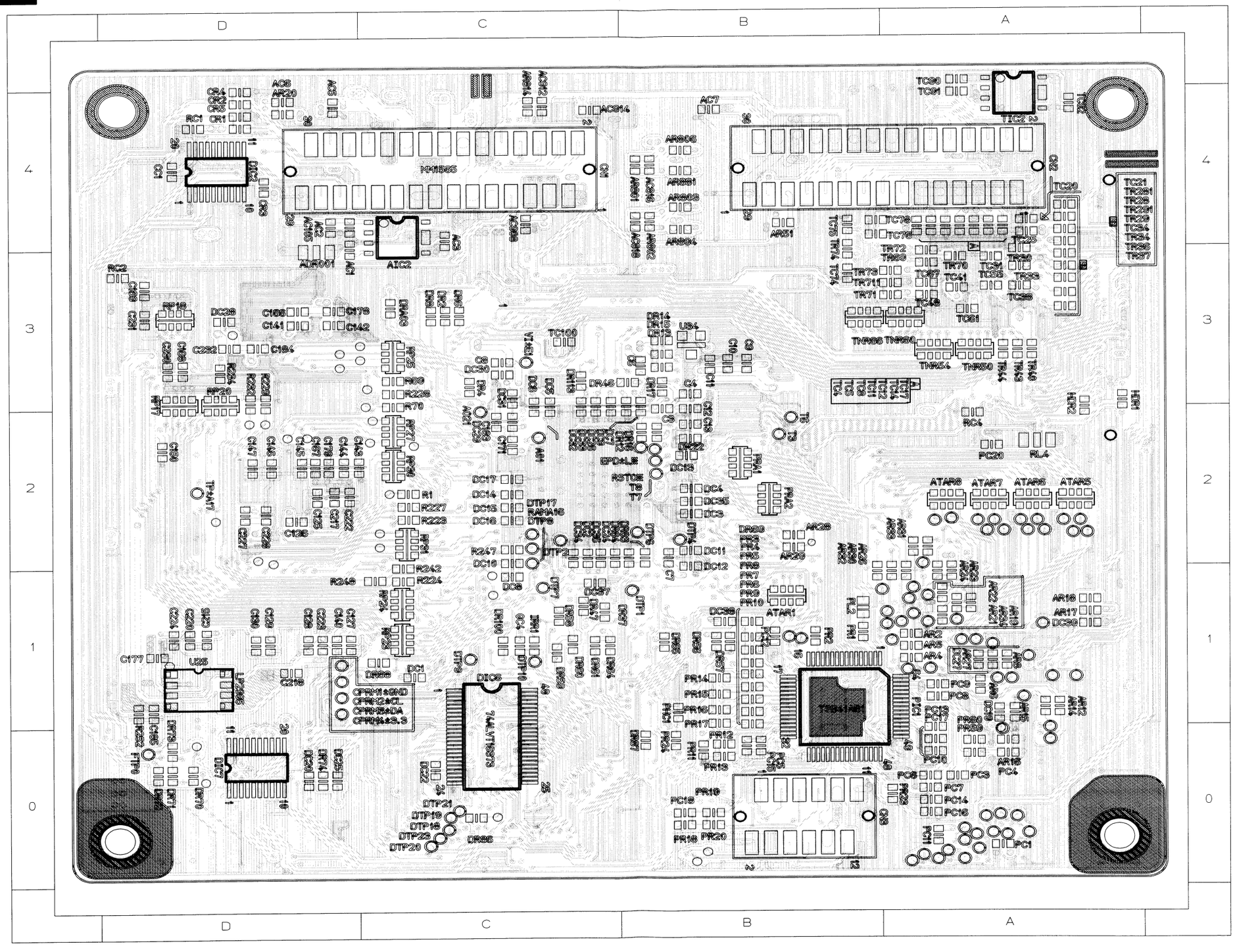


10-2 Main PCB

COMPONENT SIDE

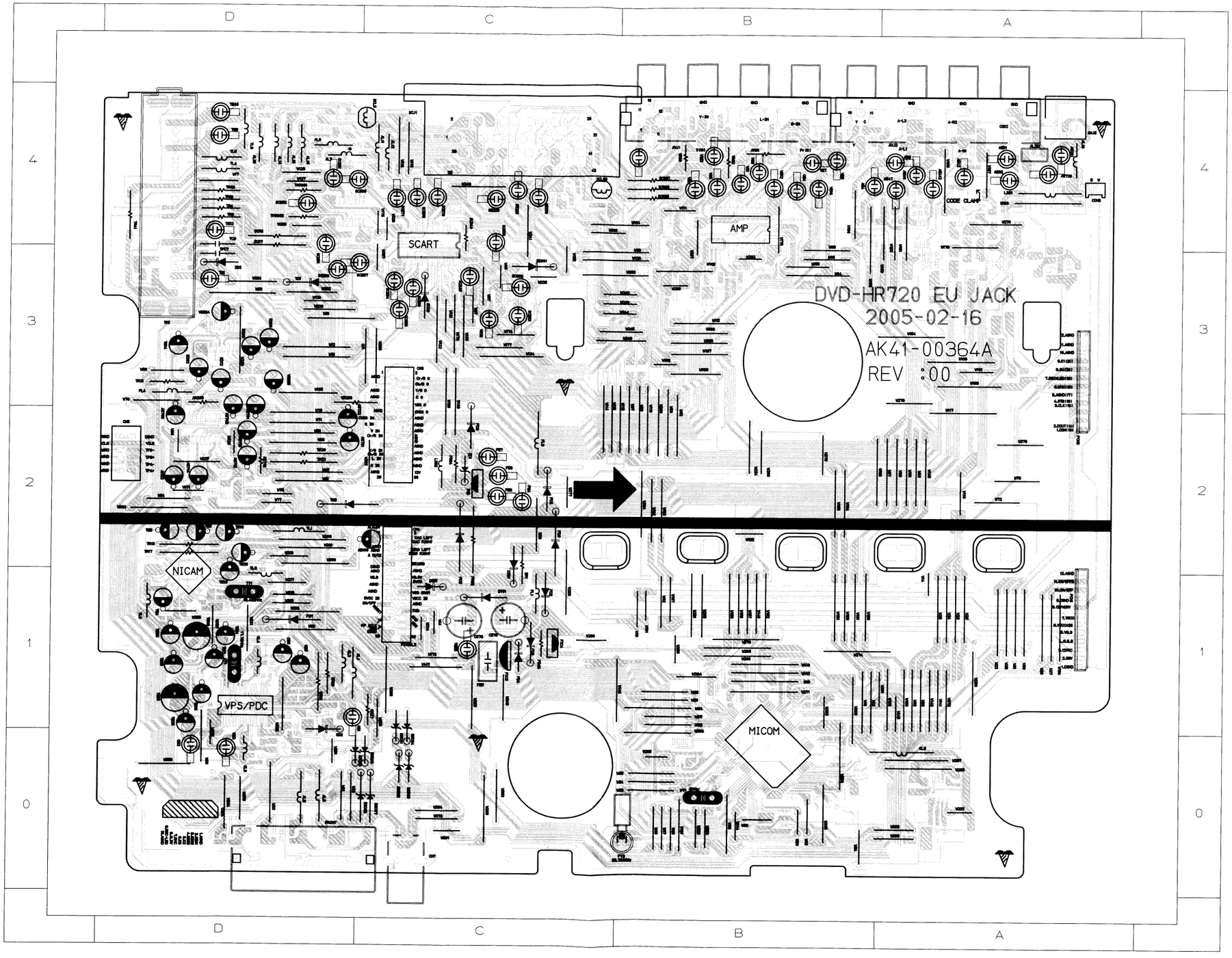


CONDUCTOR SIDE

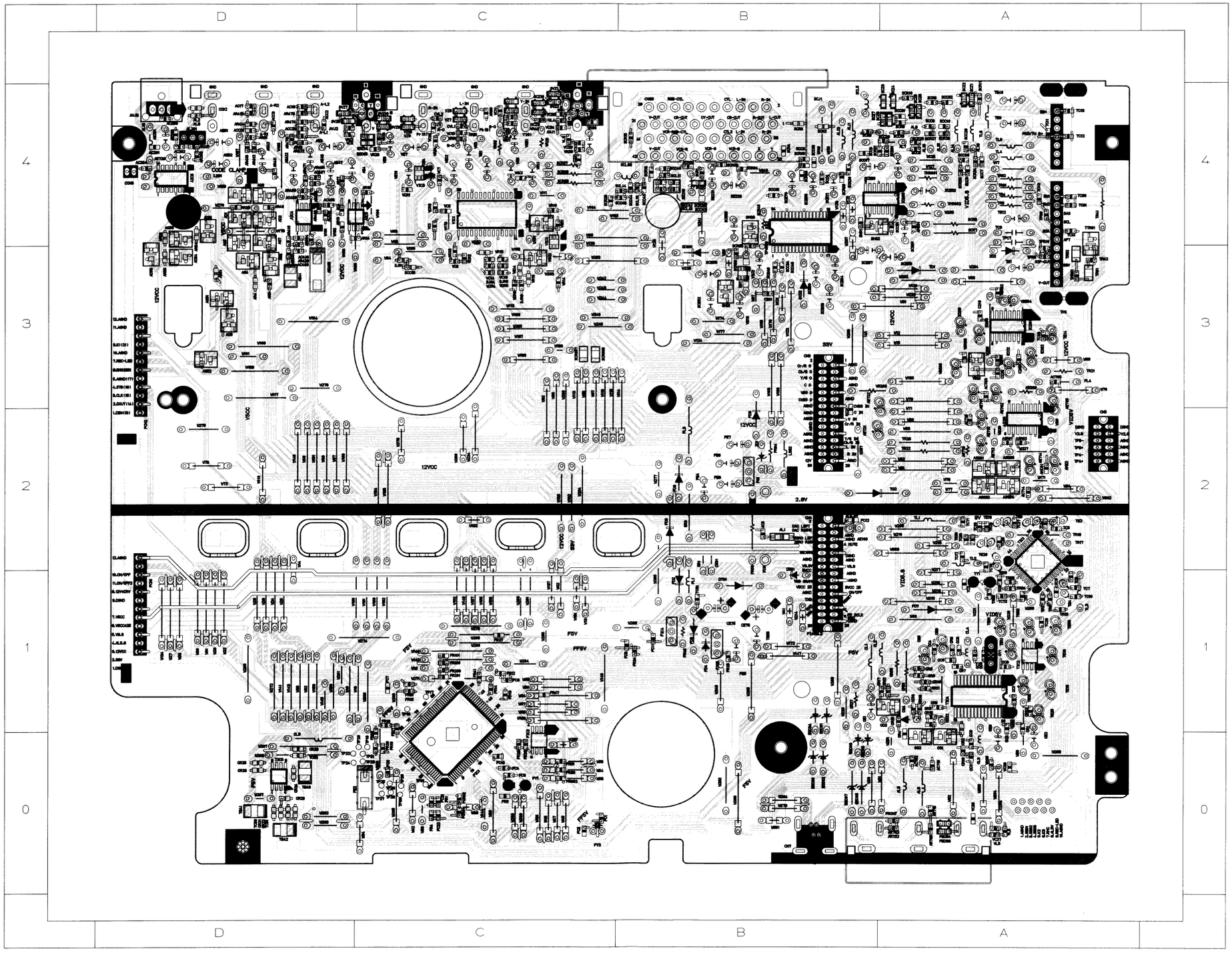


10-3 Jack PCB

COMPONENT SIDE

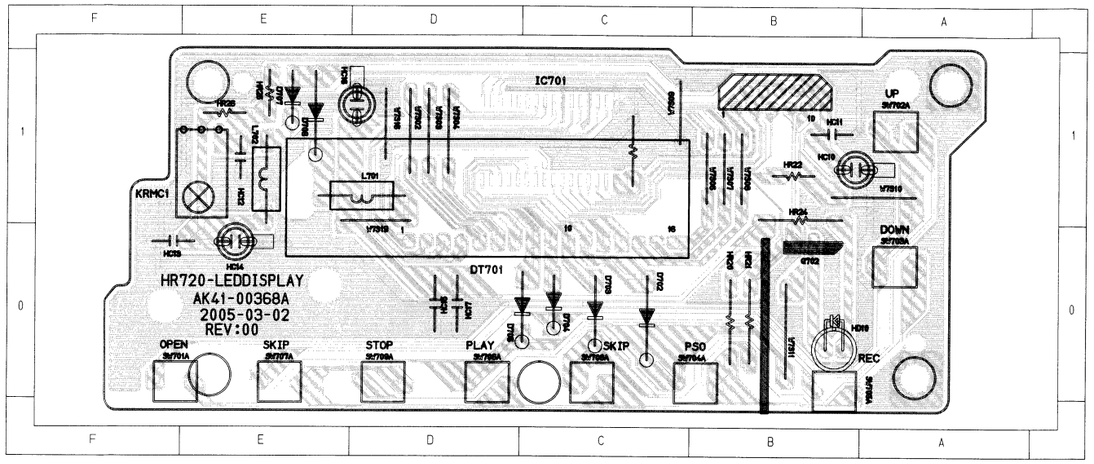


CONDUCTOR SIDE

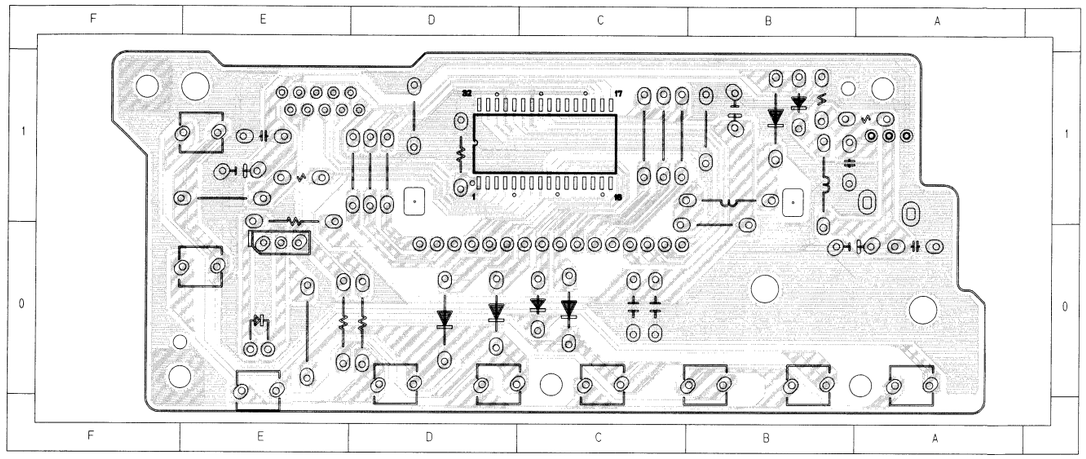


10-4 Right Key PCB

COMPONENT SIDE

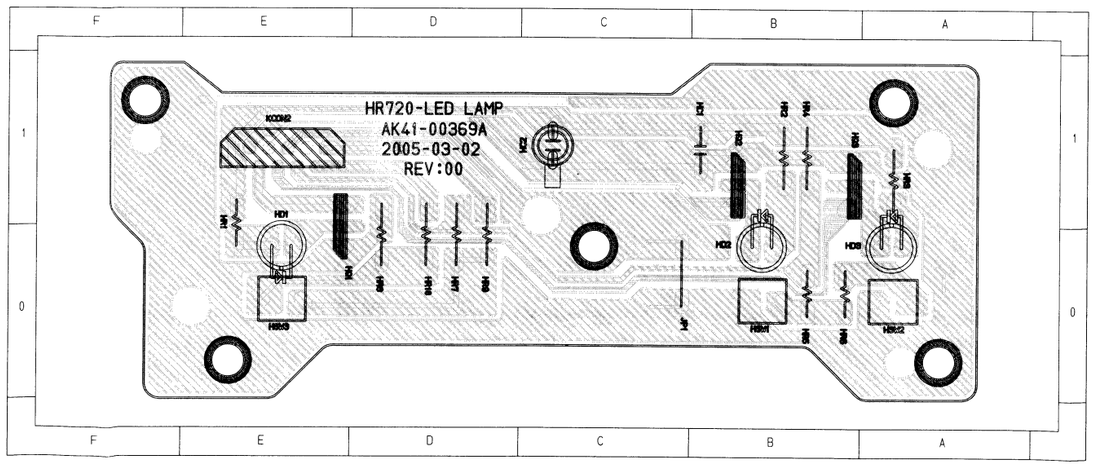


CONDUCTOR SIDE

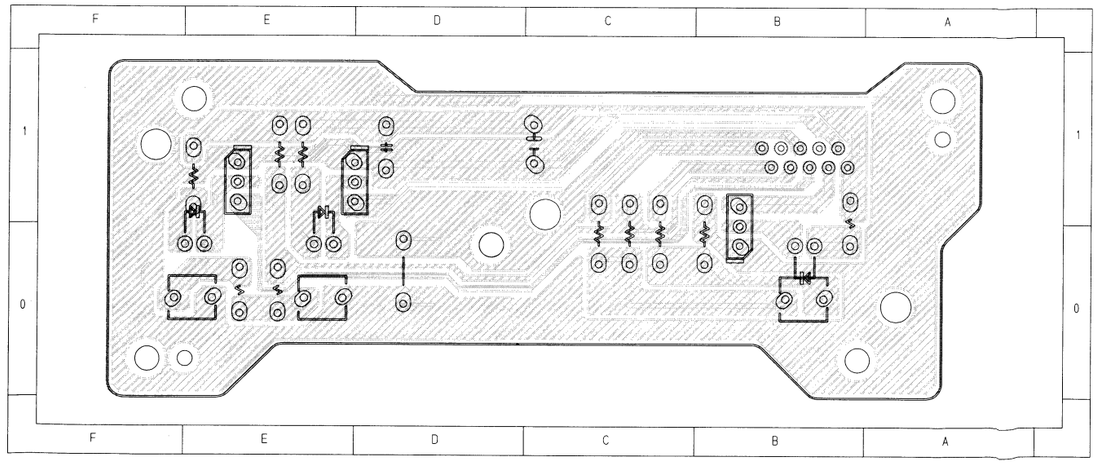


10-5 Left Key PCB

COMPONENT SIDE



CONDUCTOR SIDE



11 Schematic Diagrams

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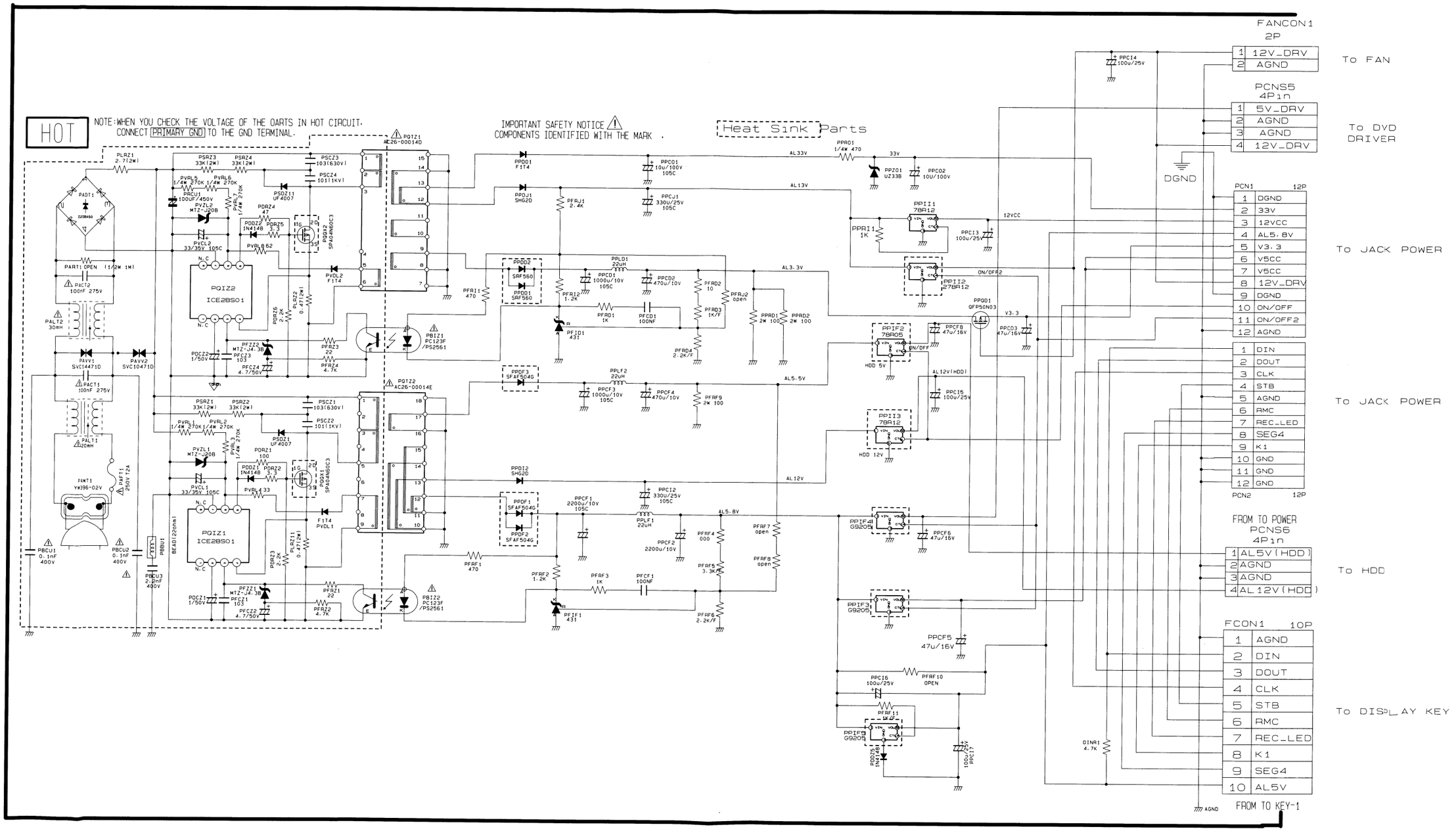
11-1 S.M.P.S. (SMPS PCB)



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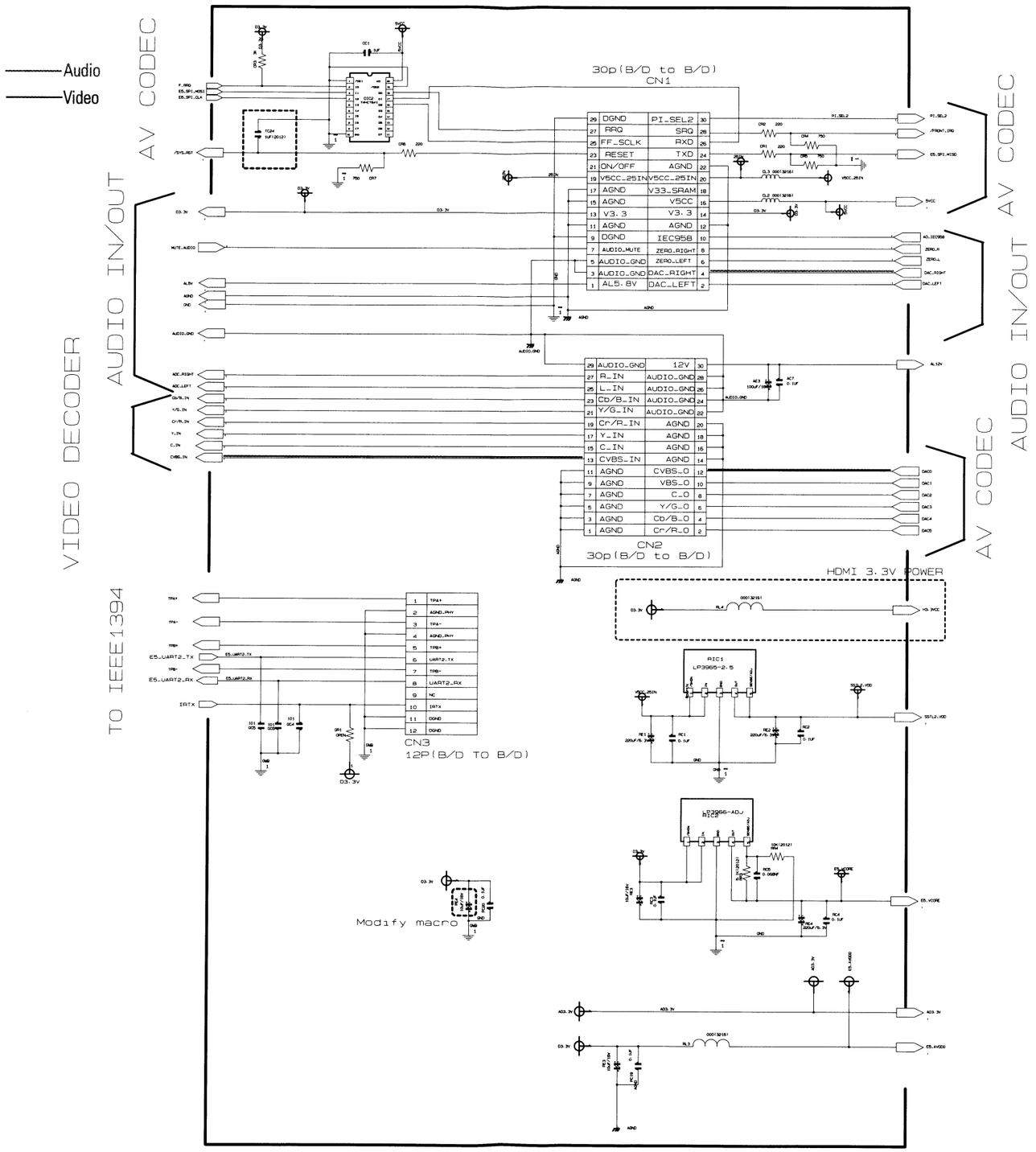
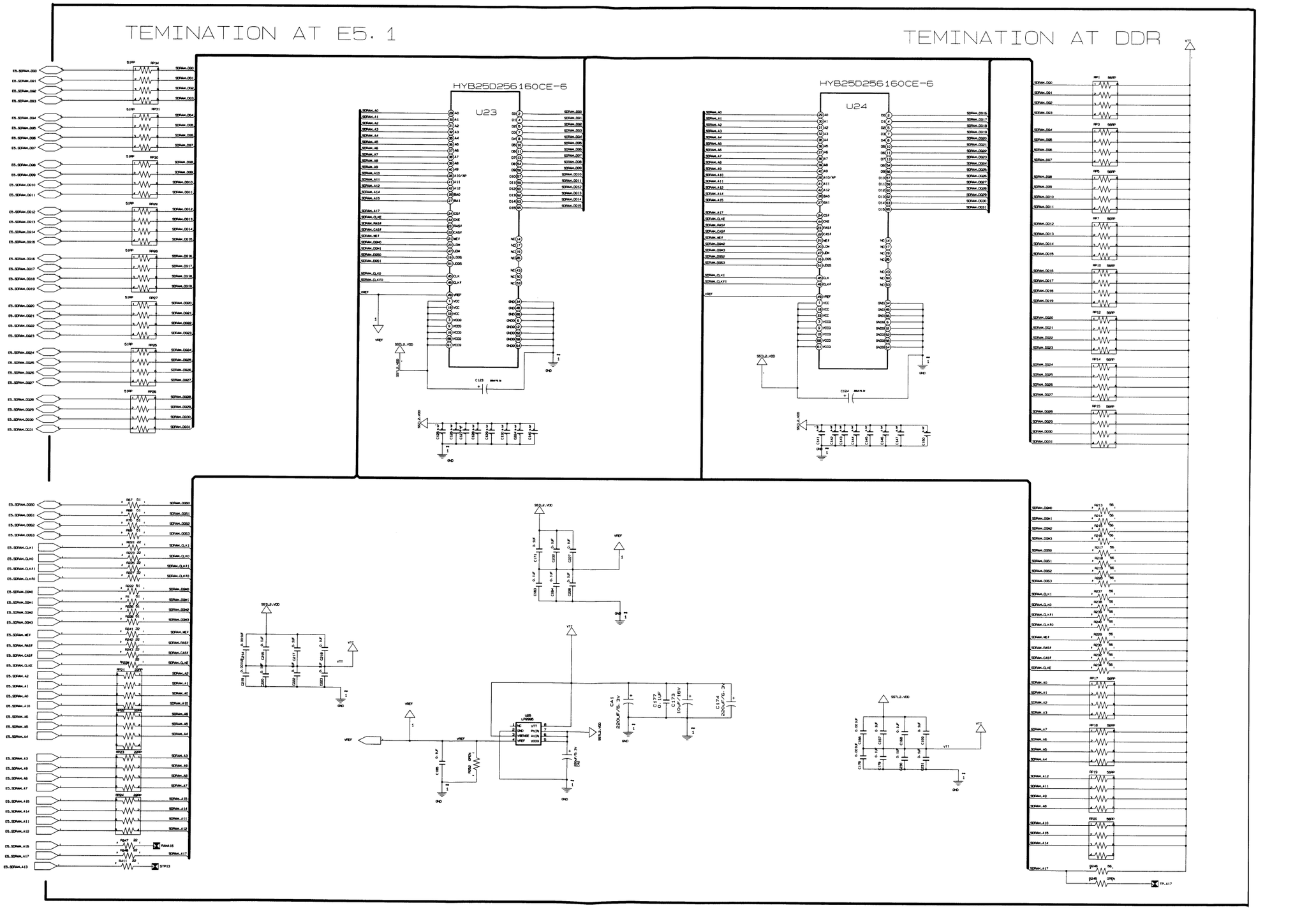
11-2 Main Connector (DVD PCB)



11-3 DDR (DVD PCB)



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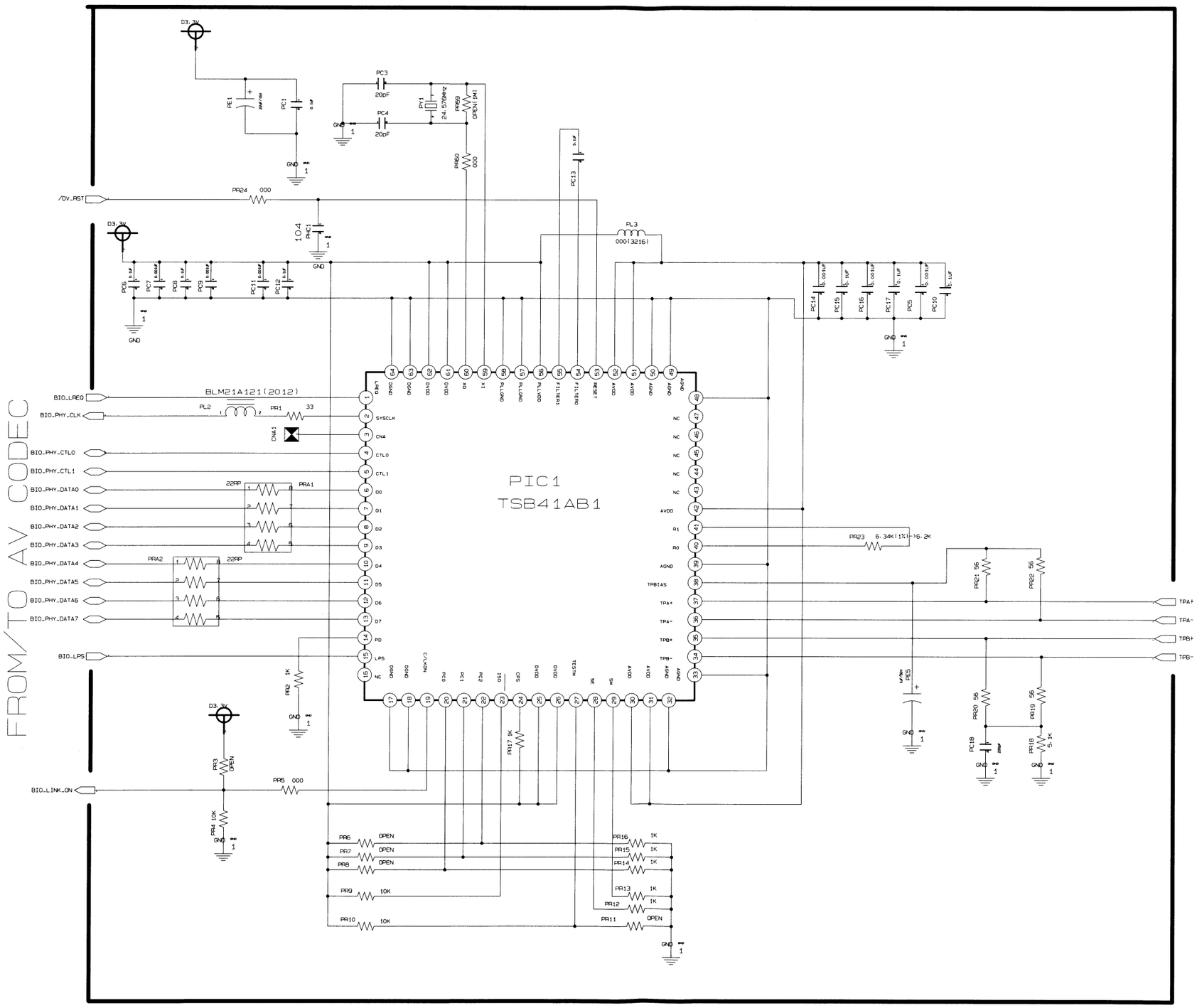
11-4 IEEE1394 (DVD PCB)



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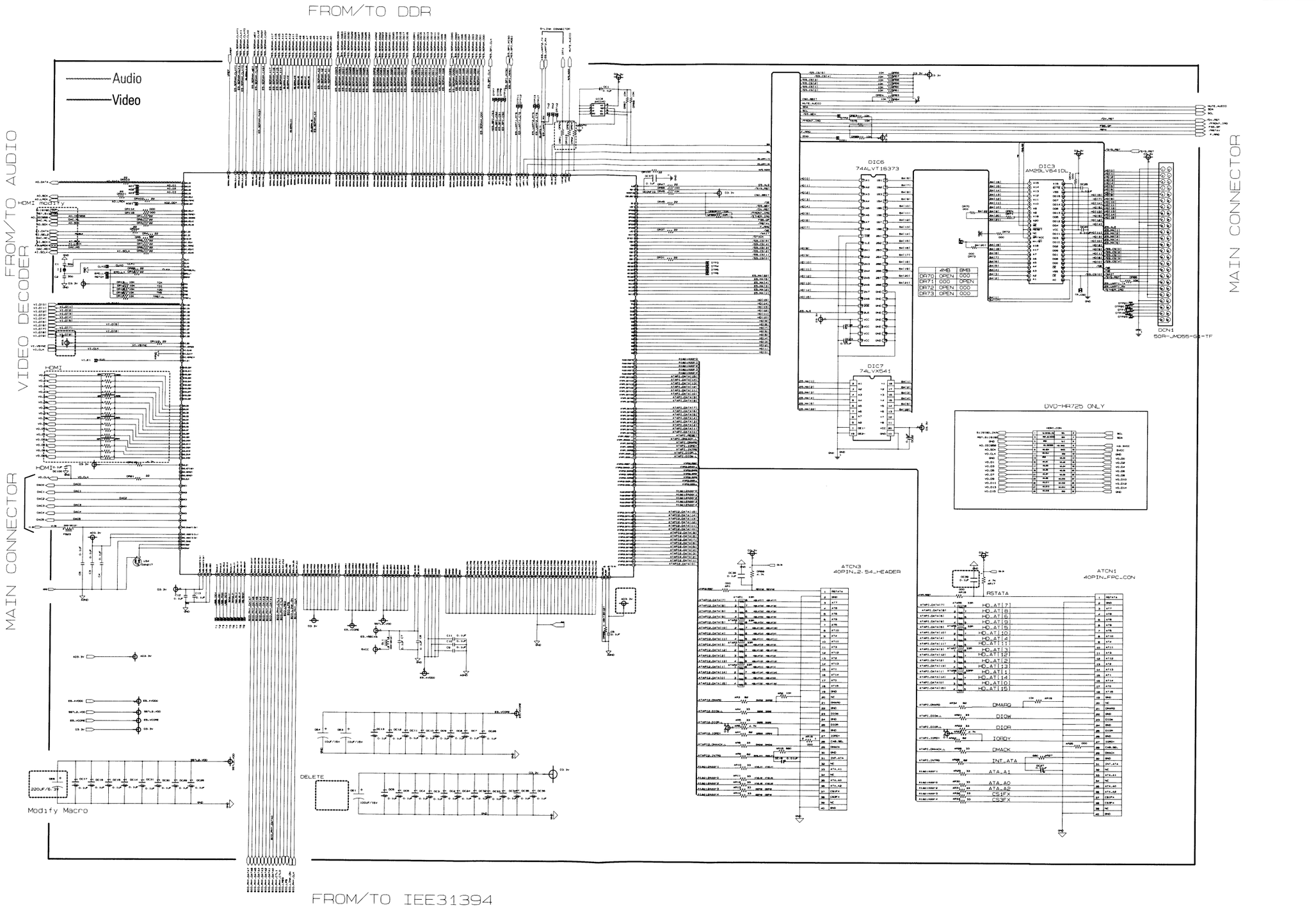
11-5 A/V Codec (DVD PCB)



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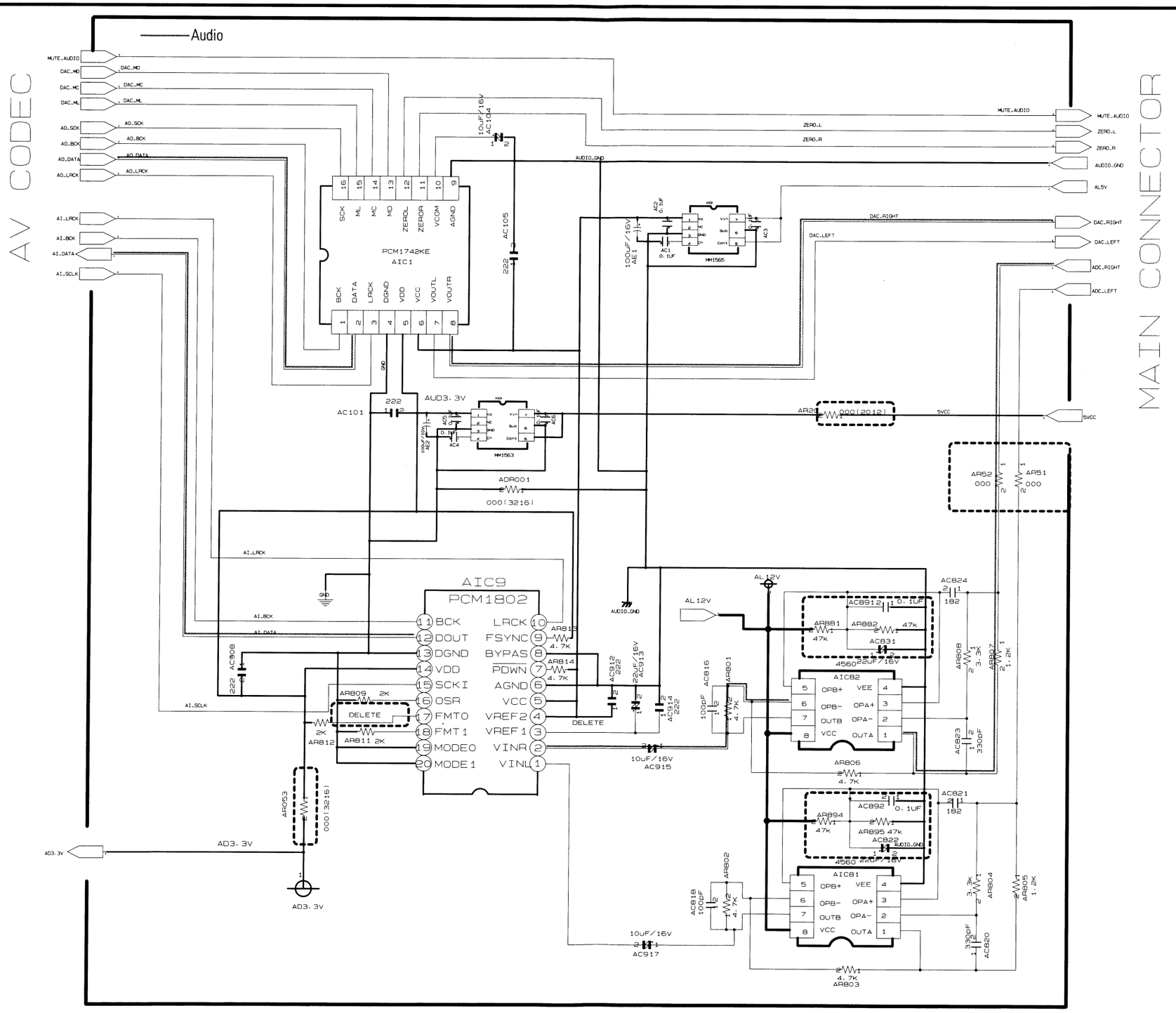
11-6 Audio In/Out (DVD PCB)



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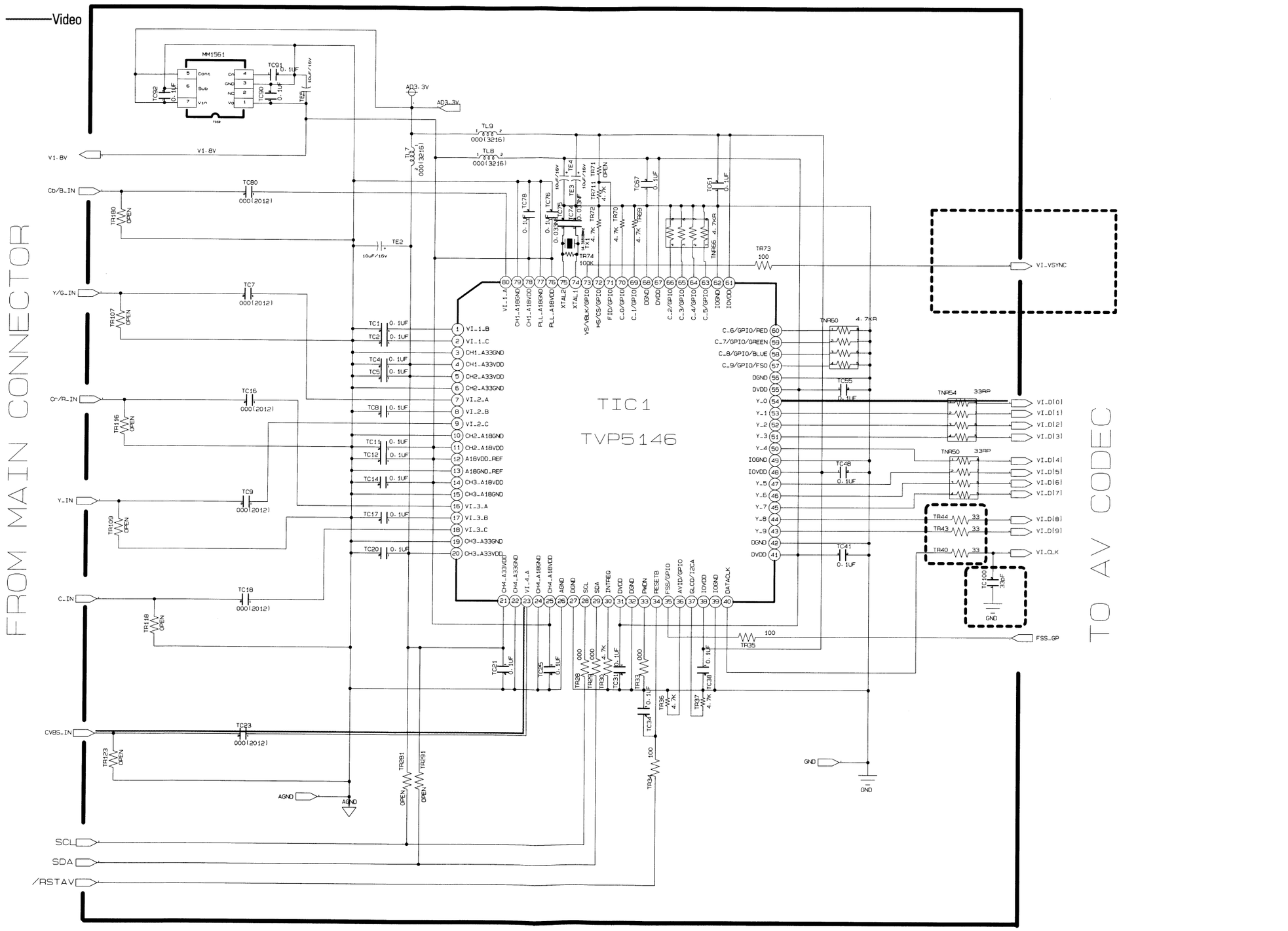
11-7 Video Decoder (DVD PCB)



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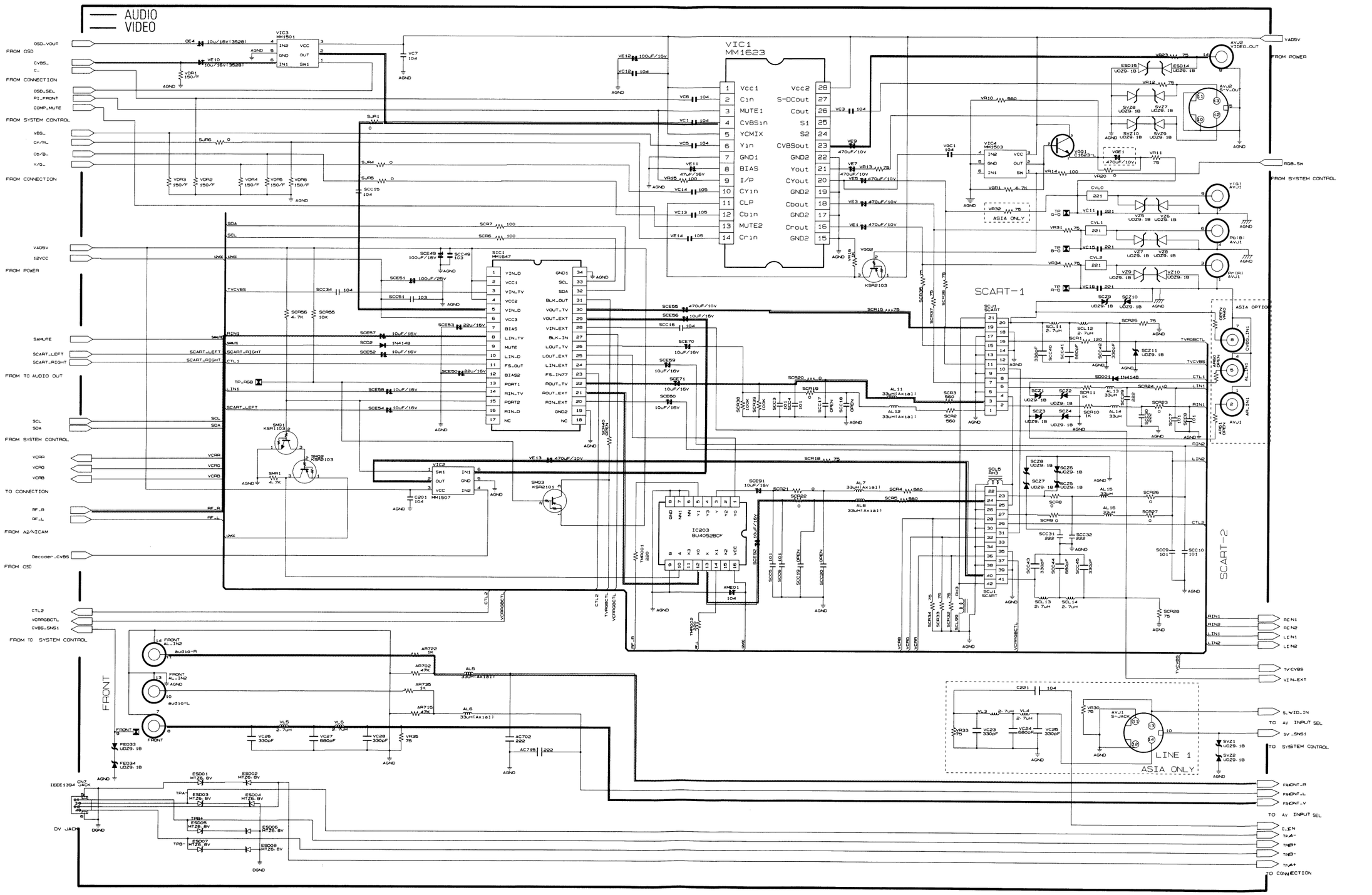
11-8 I/O (Jack PCB)



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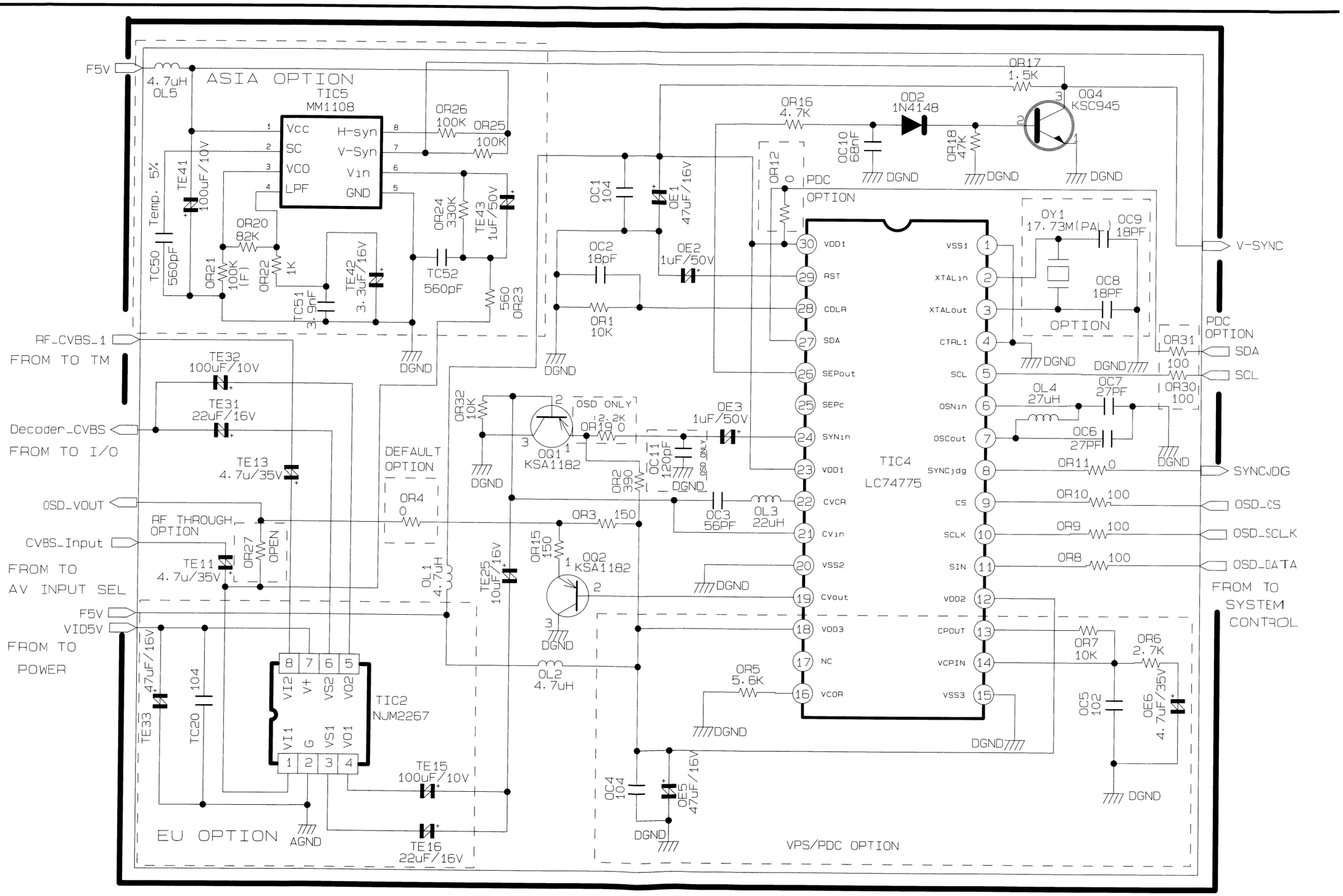
11-9 OSD (Jack PCB)



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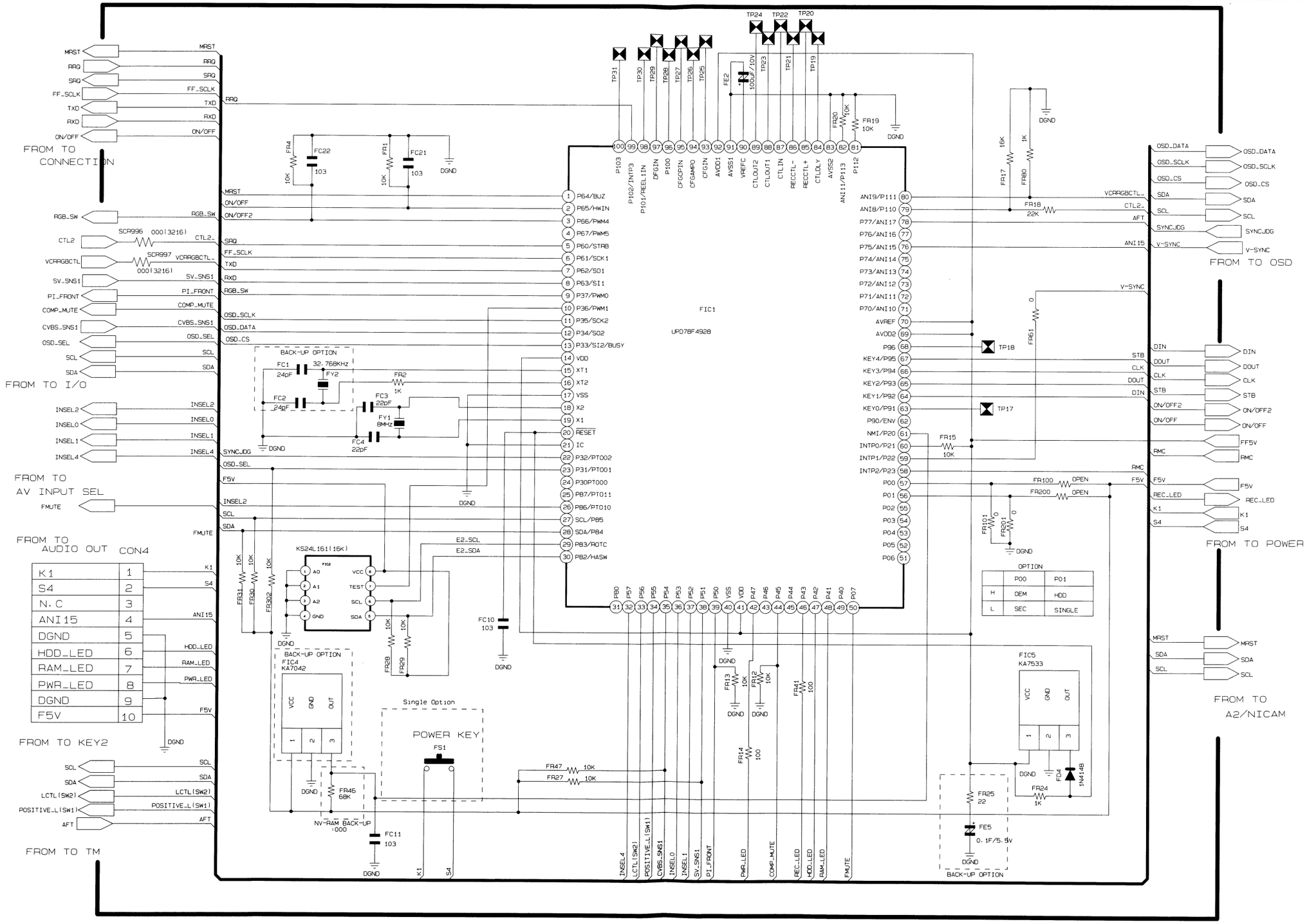
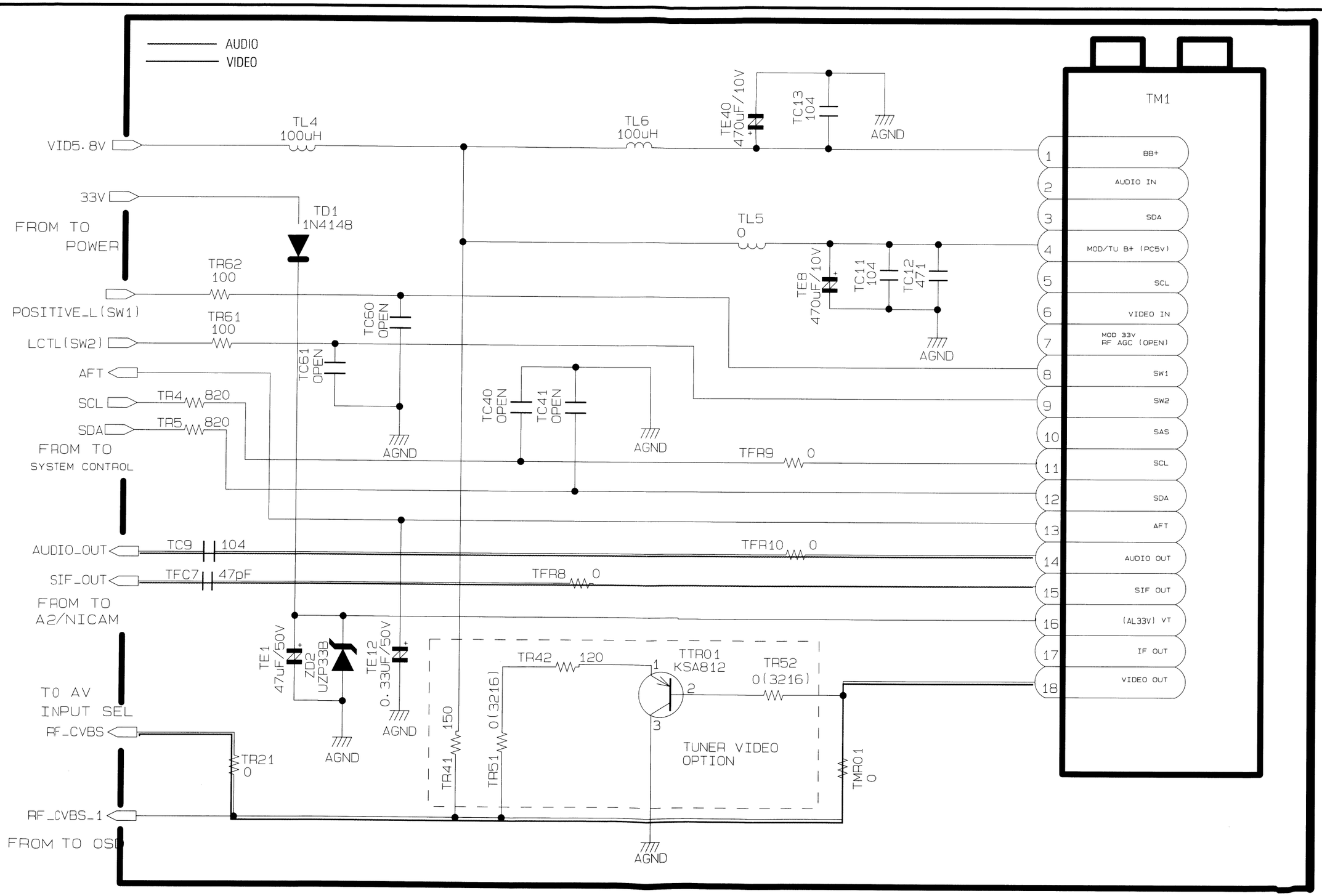
11-10 System Control (Jack PCB)



11-11 TM (Jack PCB)



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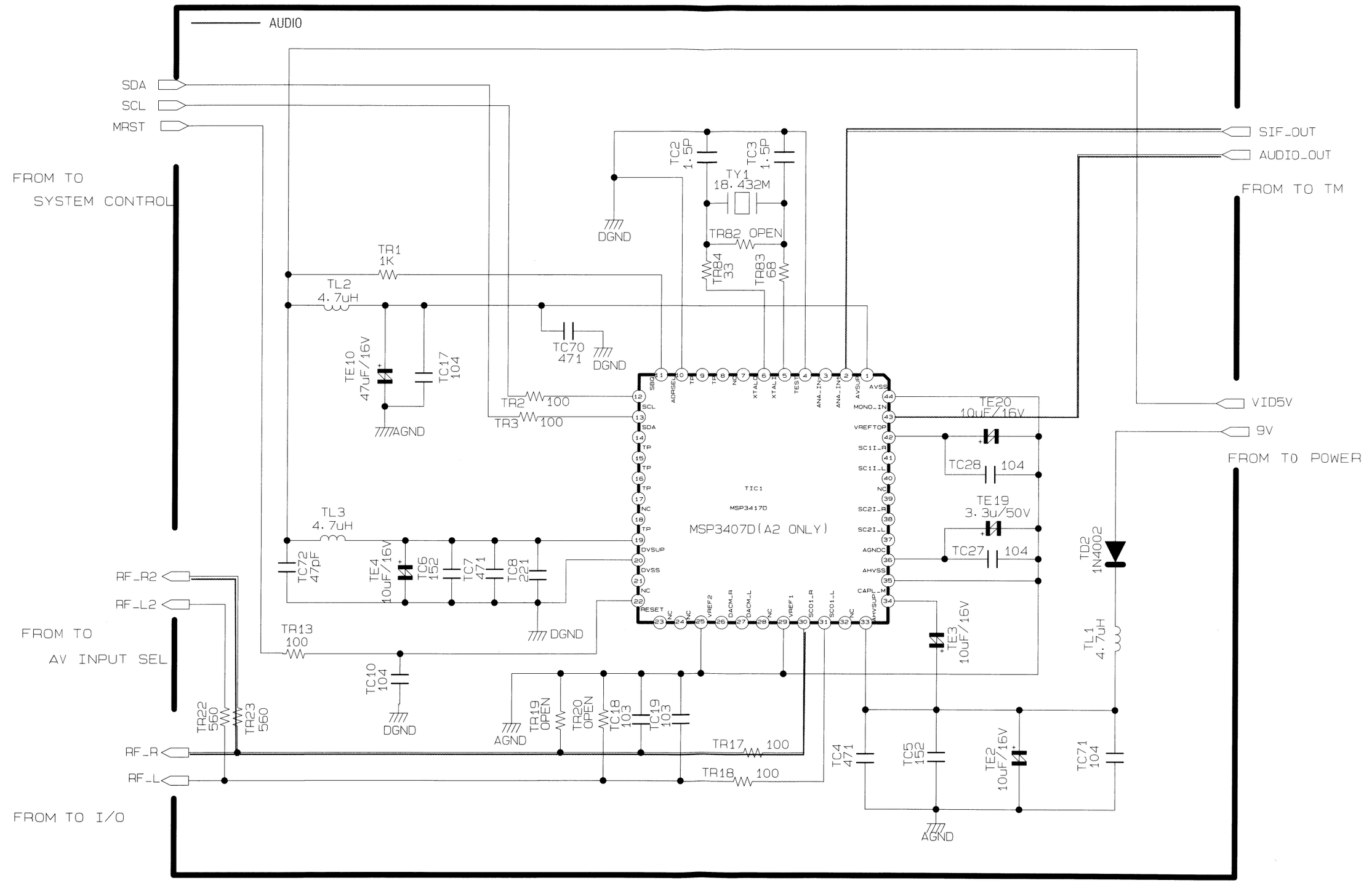
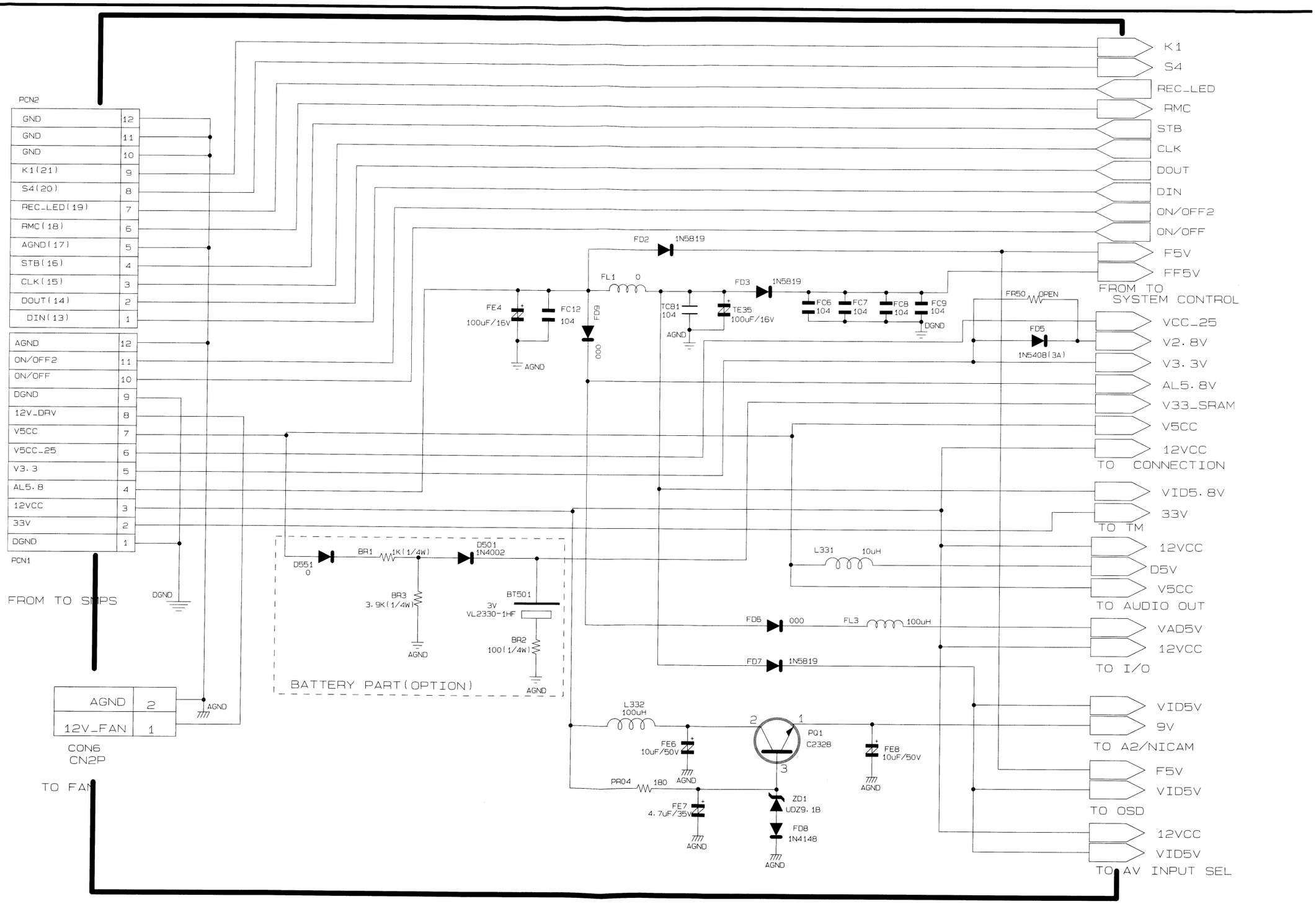
11-12 A2/NICAM (Jack PCB)



11-13 Power (Jack PCB)



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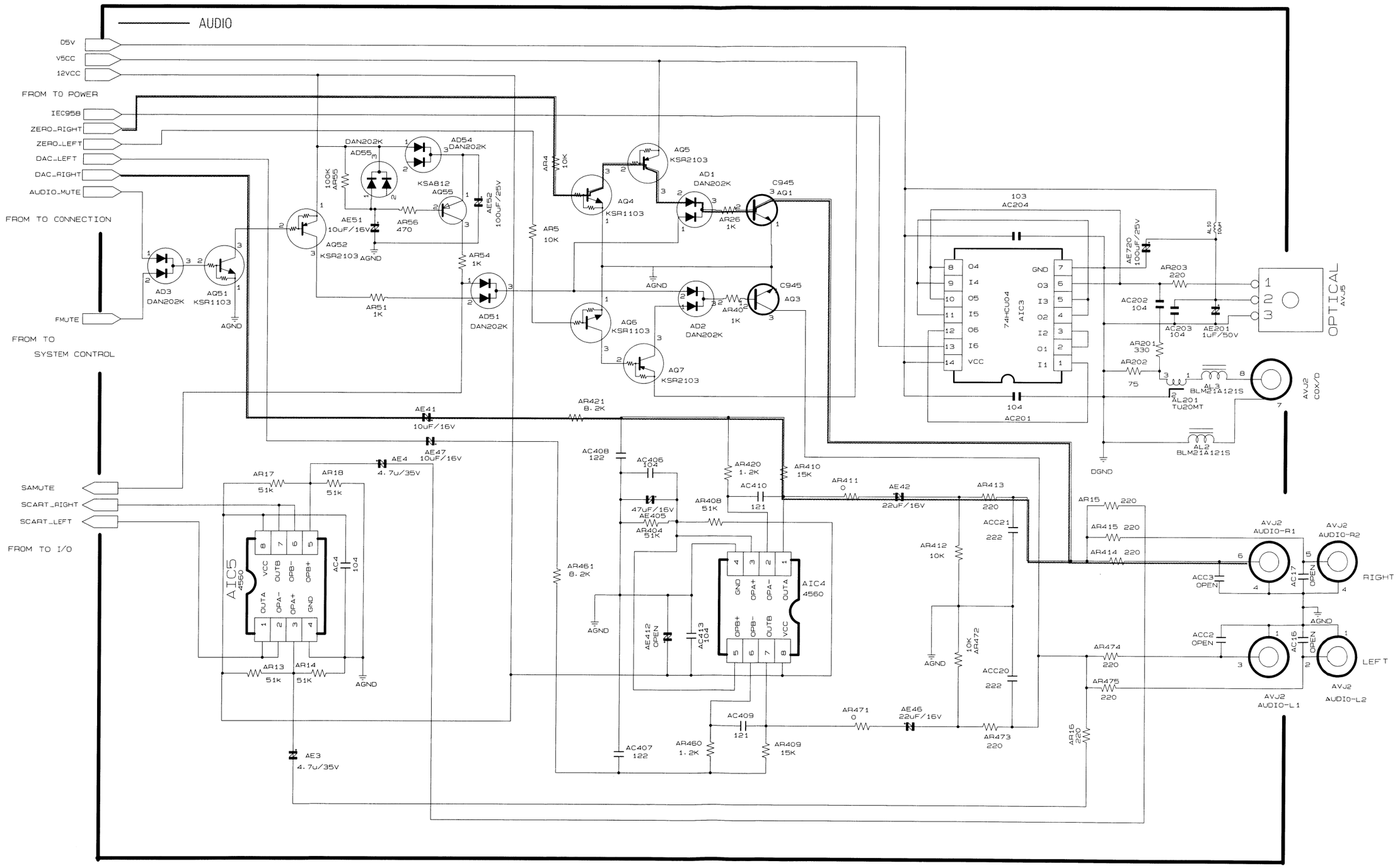
11-14 Audio Out (Jack PCB)



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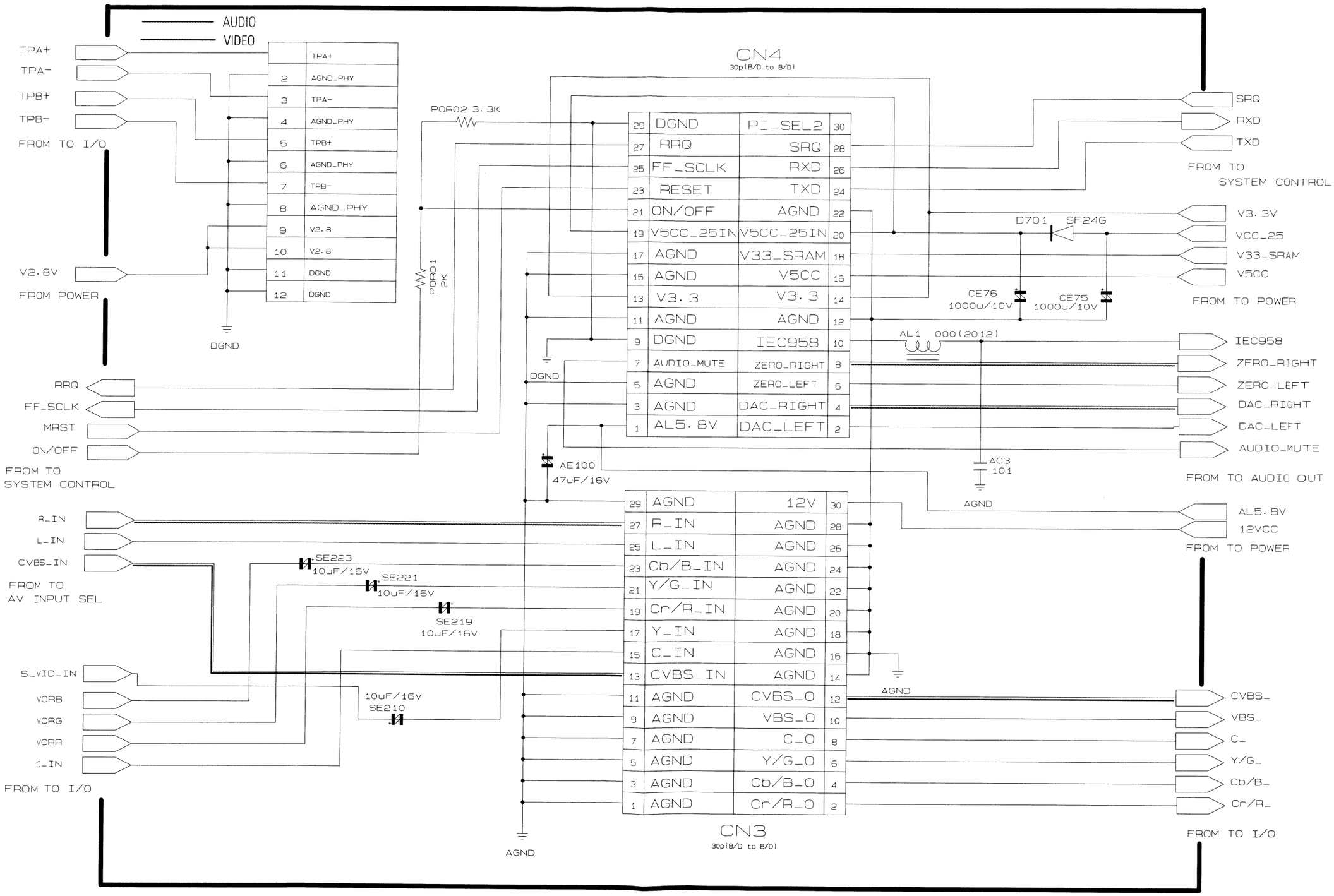
11-15 Jack Connector (Jack PCB)



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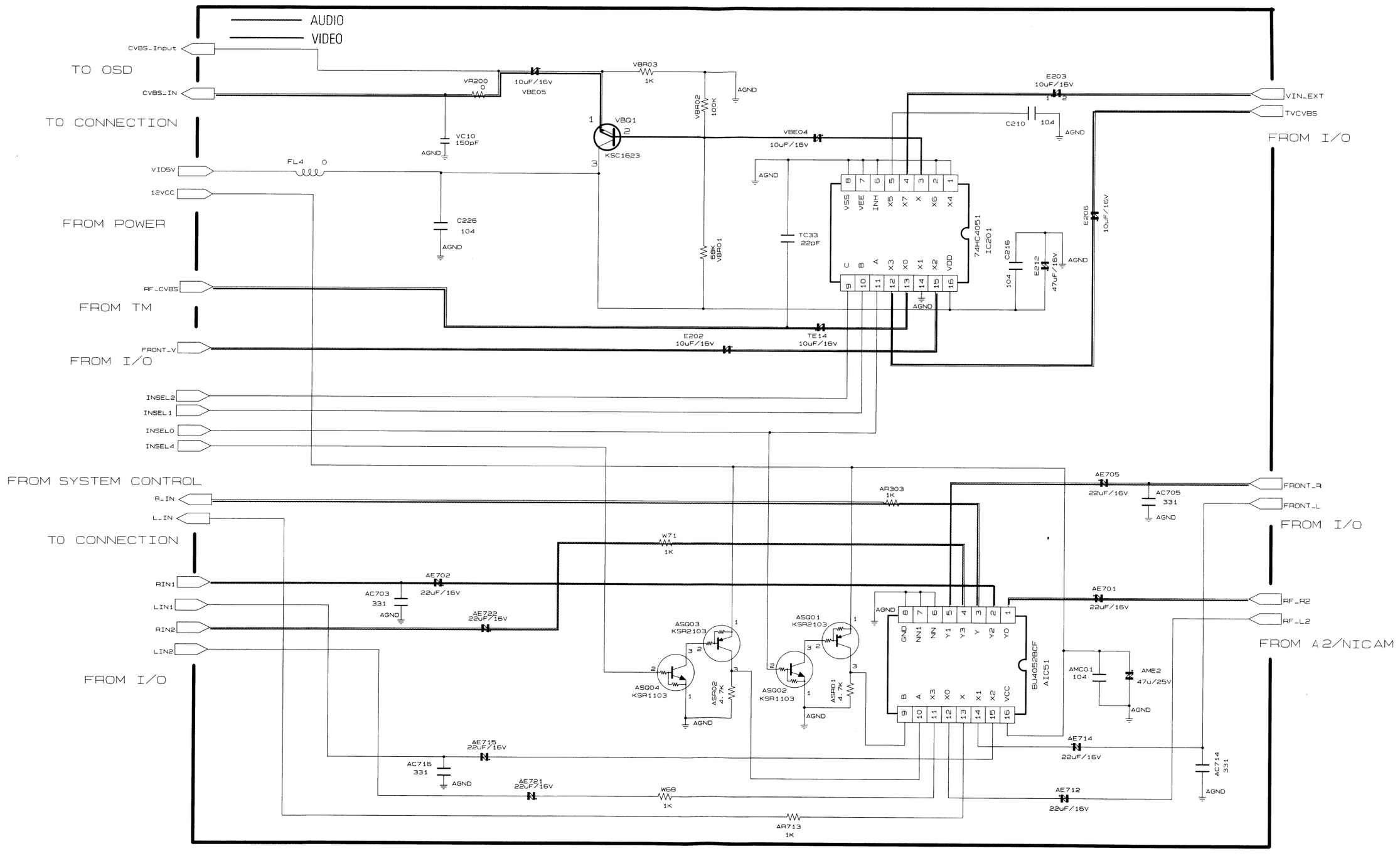
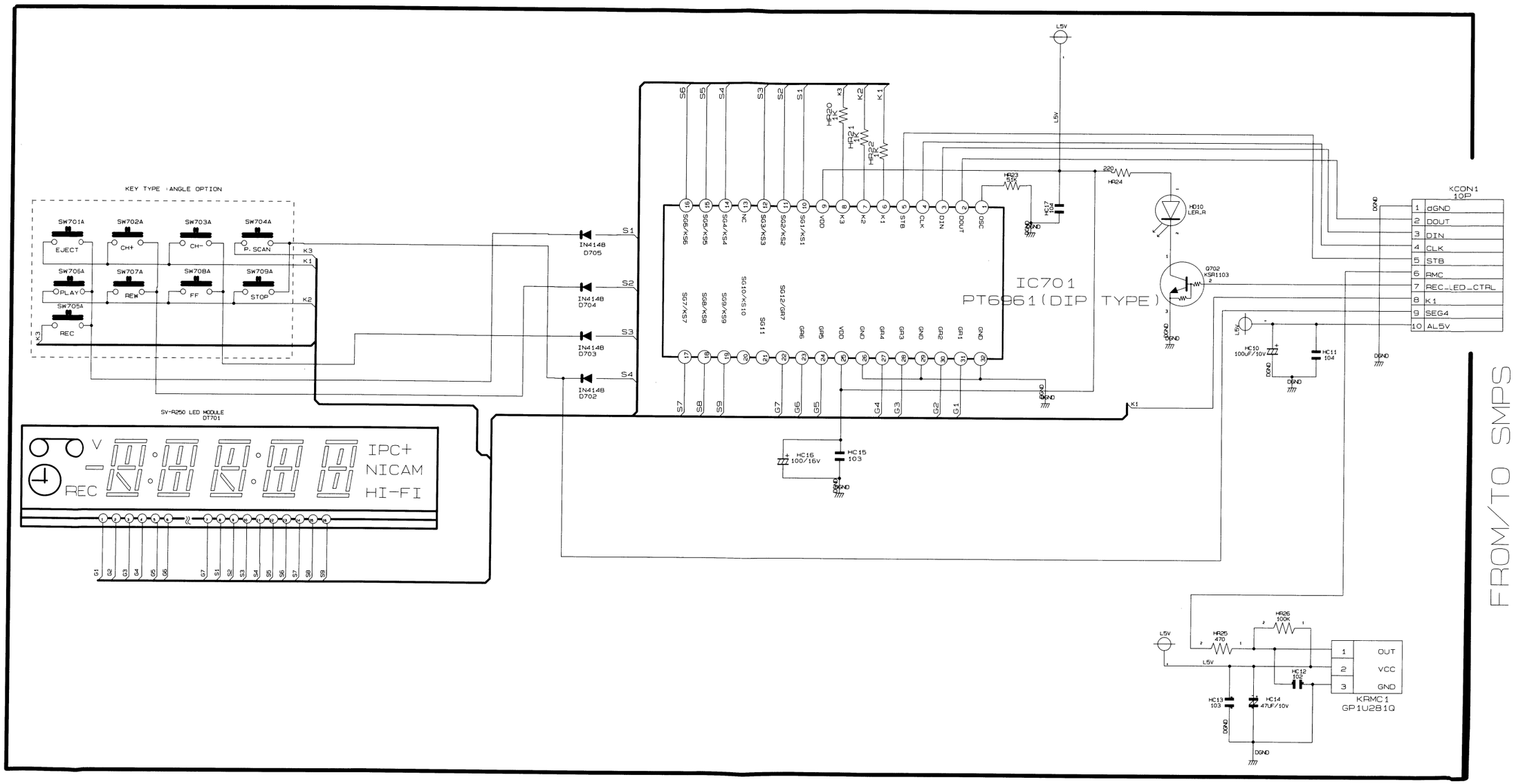
11-16 AV Input Sellection (Jack PCB)



11-17 Right Key (Key PCB)



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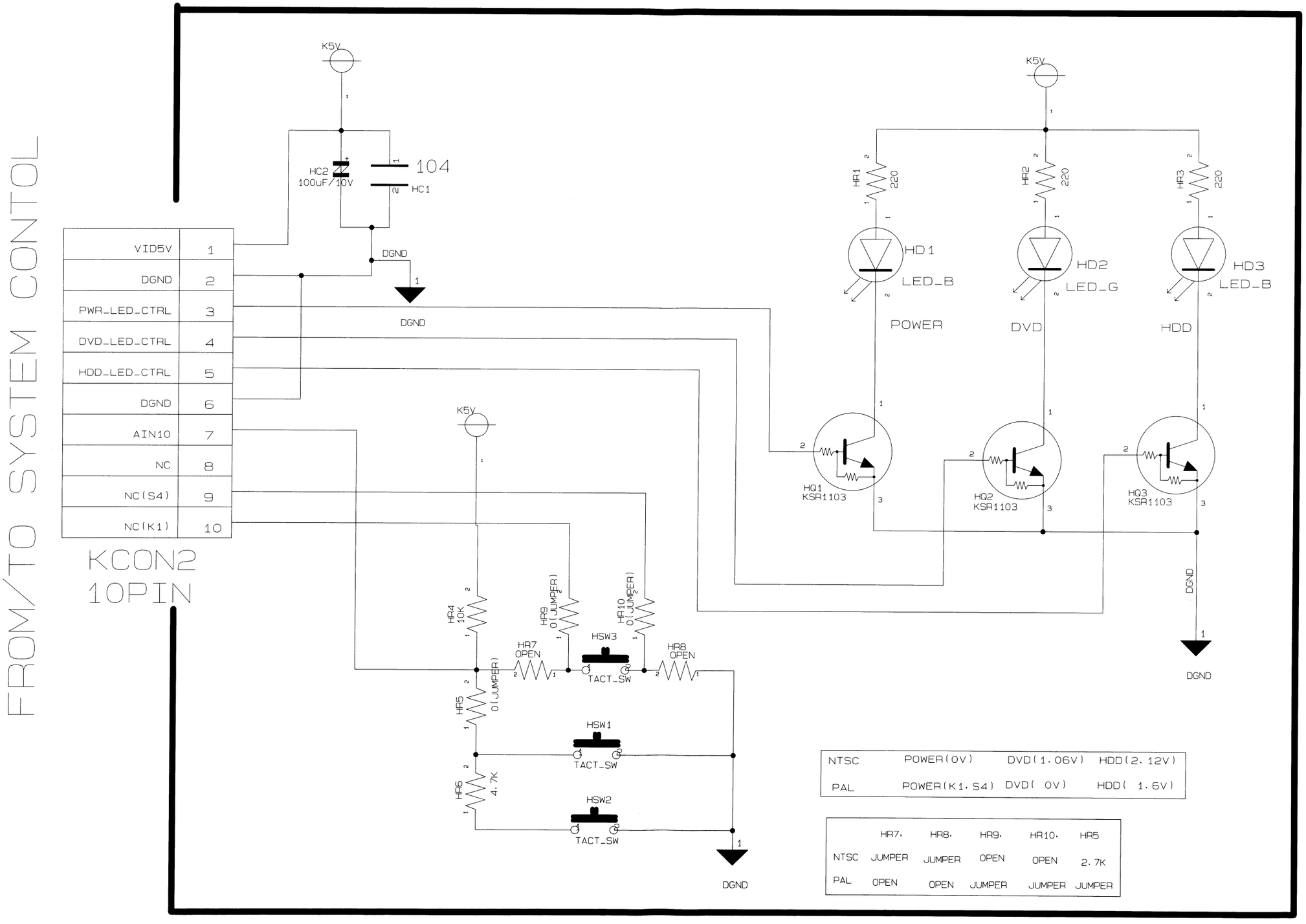
11-18 Left Key (Key PCB)



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